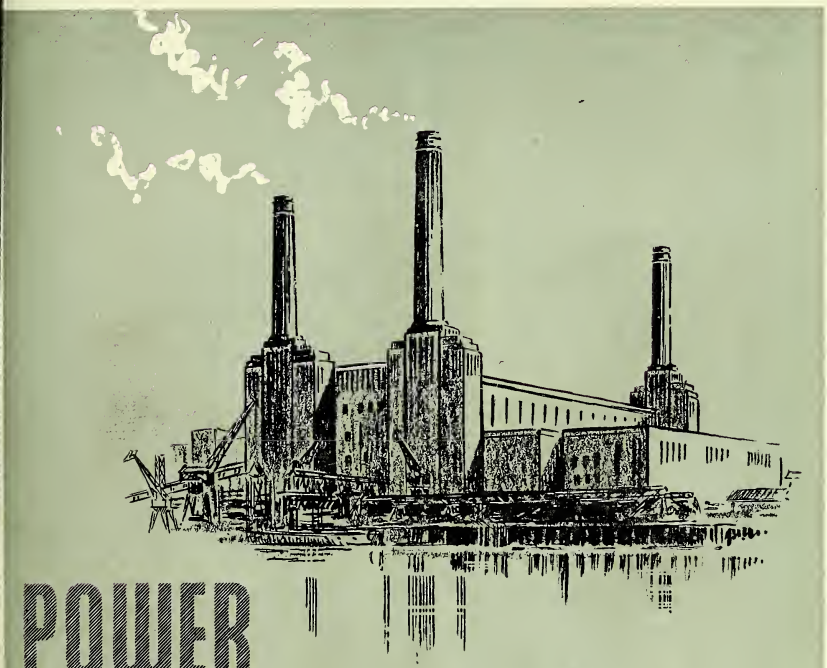
The
CHEMIST AND DRUGGIST
RETAILER - WHOLESALER - MANUFACTURER
MARCH 19, 1949



POWER
FROM BATTERSEA . . .
DRUGS
FROM
BURGOYNE BURBIDGES
Established 1741. & COMPANY LIMITED, LONDON, E.6

Index to Advertisers pp. 5 & 6

B&Co.
LTD.

The Biddle Sawyer organisation with its associated companies, offices and agents throughout the world is able to offer unrivalled service to the British pharmaceutical trade and to supply direct from world sources of origin and manufacture, or from extensive stocks in London.

PHARMACEUTICAL CHEMICALS · ALKALOIDS
HORMONES · ENDOCRINES · VITAMINS
CRUDE DRUGS · BOTANICALS · WAXES · GUMS
ESSENTIAL OILS · TECHNICAL CHEMICALS

ASSOCIATED COMPANIES

The Biddle Sawyer Corporation, 25 Broad Street, New York, U.S.A.

Biddle, Sawyer & Co. (India) Ltd., Frere Road, Bombay, India.

Propac Biddle, Avenida Rio Branco 85, Rio de Janeiro, Brazil.

Rioplatense Biddle, Paseo Colon 221, Buenos Aires, Argentina.

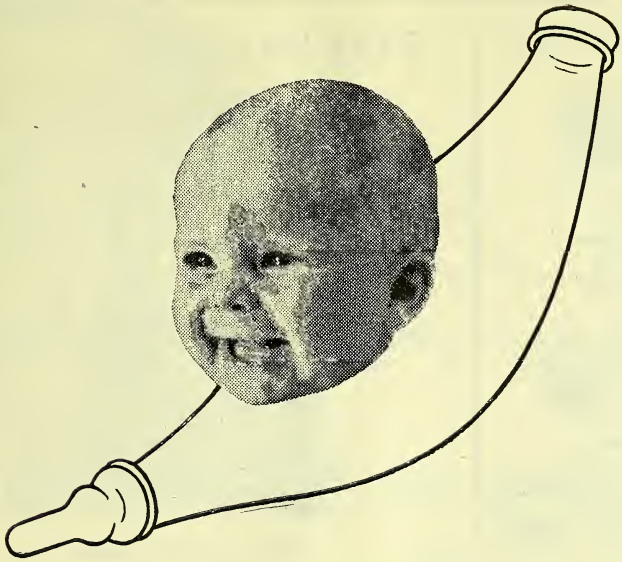
Biddle, Sawyer & Co., P.O. Box 386, Johannesburg, South Africa.

Interchemical Inc. Claridenhof, Gotthardstrasse 6, Zurich, Switzerland.

also Offices and Agents Throughout the World

TOSCAT
BRAND
REGD. TRADE MARK

BIDDLE, SAWYER & CO. LTD.
4 GRAFTON STREET · LONDON · W.1
Telephone: REGent 0521 Telegrams: "BIDSAWYA, PICCY, LONDON"
Cables: BIDSAWYA LONDON



IDDEN DANGER OF INFECTED FEEDING BOTTLES...

ey may *look* clean and *still* be contaminated

d thus be a source of gastric infection

ickness and diarrhœa). Encourage mothers

protect their babies by sterilizing both

ttle and teats the MILTON way,

hich is safe, sure, simple and economical.

ou can sell an extra bottle of MILTON

ith every feeding bottle or teat.

PILL BOXES

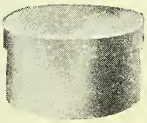
SCARLET
(G.P.O.)
WHITE
(P.I.)
PURPLE
W.E.(P.I.)

PURPLE
FLANGED

"LITTLE JOHN" DRUMS

CRYSTALS, POWDERS, TABLETS

OINTMENT BOXES



CHEPETTE
GREASEPROOF

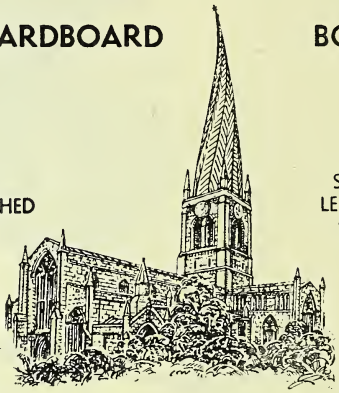
SEALITE
WAX IMPREGNATED

ROBINSONS' OF CHESTERFIELD

For CARDBOARD BOXES

FIRST ESTABLISHED 1839

STILL LEADING 1949



FOR OVER A CENTURY

STOCK ROUND BOXES FOR THE CHEMIST

HAVE BEEN MANUFACTURED BY

ROBINSONS' OF CHESTERFIELD

All boxes in these categories are now **back to pre-war standards.**

The quality being improved by modern methods of manufacture.

Specifications and standards are in accordance with— **N.H.S. and B.S.I. Specifications.**

Supplies are **Unrationed** and your full order can be met through your usual source.

TELEGRAMS: "BOXES, CHESTERFIELD."

ROBINSON & SONS, LTD.,
Wheat Bridge Mills,
CHESTERFIELD.

TELEPHONE: 2105 (6 LINES.)

LONDON OFFICE: KING'S BOURNE HOUSE, 229-231, HIGH HOLBORN, W.C.1.
TELEPHONE: HOL. 6383.

SERIES A.2

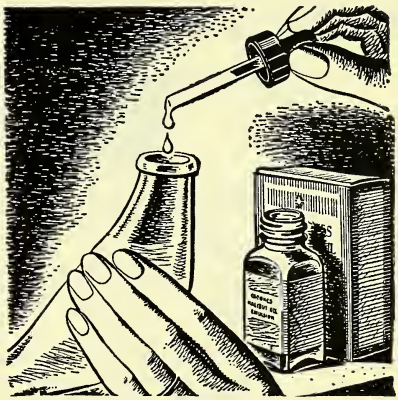
Baby's getting Vitamins A & D this new, nice way!

CROOKES HALIBUT OIL EMULSION

JUST three drops in Baby's milk four times a day. That's all! But it ensures Baby getting the right amount of those two essential vitamins—'protective' A to give resistance to infection, 'sunshine' D to build up sturdy bones and strong teeth. And baby really doesn't notice those tiny drops. No teaspoonfuls, no trouble now. This new emulsion is milky-coloured, mixes in milk without the slightest trace of oiliness.

Each bottle of Crookes Halibut Oil Emulsion is supplied with a dropper, and contains enough for approximately a 3-weeks' supply. Orders for Bonus Parcels can now be executed immediately.

Mixes unnoticed in the milk



BONUS TERMS

12 x 15 c.c. Vials @ 3/6 Retail		£2. 2.0
Less 25%		10.6
		1.11.6
Less 10%		3.2
		£1. 8.4

BONUS

1 x 15 c.c. Vial.
Retail Value 3/6.

THE CROOKES LABORATORIES LIMITED · PARK ROYAL · LONDON · N.W.10

a New Contraceptive

- The result of biological and clinical research which has been conducted under independent medical supervision.
- Completely spermicidal and remarkably rapid in action.
- Non-irritant, odourless, non-greasy, and free from all insoluble substances.
- Will keep indefinitely and not affected by climatic conditions.
- A product of the Rendell Laboratories.

RENDELL-FOAM

The introduction of Rendell-Foam will provide a new standard of ethical importance in the technique of contraception, and will be widely prescribed when conception control is either necessary or desirable.

SUPPLIES IMMEDIATELY AVAILABLE FROM ALL WHOLESALERS

Quantities of less than 6 dozen tubes	21/- per dozen nett
Quantities of not less than 6 dozen tubes ...	20/- per dozen nett
Quantities of not less than 12 dozen tubes ...	19/- per dozen nett

RETAIL 2/6 PER TUBE. P.A.T.A.
(Exempt from purchase tax)

W. J. RENDELL LTD
161/165 ROSEBERY AVENUE - LONDON - E.C.1

INDEX TO ADVERTISERS

on Pill & Tablet Co., Ltd. xxvi
lphi Manufacturing Co., td. v
lo-French Drug Co., Ltd. Leader Page
nour & Co., Ltd. 22
ker, R., & Son, Ltd..... xxvi
nes, M. H. .....Col. Supp.
tson, Clark & Co., Ltd. ... iv
ulah, J. & J., Ltd. xxxiv
chams Pills, Ltd. 25
l, John, Hills & Lucas, td. .....Leader Page
dle, Sawyer & Co., Ltd. .. Cover ii
ish Chemicals & Biologi- als, Ltd. 23
ish Drug Houses Ltd., The 9
ish Rodent Exterminator o., Ltd. xiv
ish Rototherm Co., Ltd. x
nchovydrin (1945), Ltd.... xxiv
ok, Parker & Co., Ltd. ... 8
nn Mnfg. Co., Ltd. xxvi
goyne Burbidges & Co., td. .....Front Cover
rough, James, Ltd. Leader Page
roughs Wellcome & Co. 35, xxxv
nnon Rubber Manufac- urers, Ltd. 5

Carnegie Chemicals (Welwyn), Ltd. .....Cover iv
Caton & Son iv
Continental Laboratories, Ltd. 28
Copley, F., & Co. vii
Cow, P. B., & Co., Ltd. ix
Cox, Arthur H., & Co., Ltd. 8
Crookes Laboratories, Ltd. ... 3
Crosskill, C. R., & Sons xii
Cumberland Paper Co., Ltd. xii
Cumming, J. W., & Son ... iv
Cupal, Ltd. xv

Dales Aspirin & Tableting Co. 15
Dalmas, A. de St. & Co., Ltd. 12
Damancy & Co., Ltd. 26
Dangoor, N. S., Ltd. 10
Daniel, Richard, & Son, Ltd. 13
Dettol Ointment xxiv
Dufay Chromex, Ltd. xv
Dyanese, Ltd. x

" Eclipse " Razor Blades xi
Edwards Surgical Supplies, Ltd. xxxvi
Ewbanks, Ltd. xxxiv

Favell, T. J., & Co., Ltd. ...xxxvi
Fecher, M. J., Ltd. 6
Fennings, A. .....Leader Page
Ferber, Robert, Ltd. 28
Ferris & Co., Ltd. 15

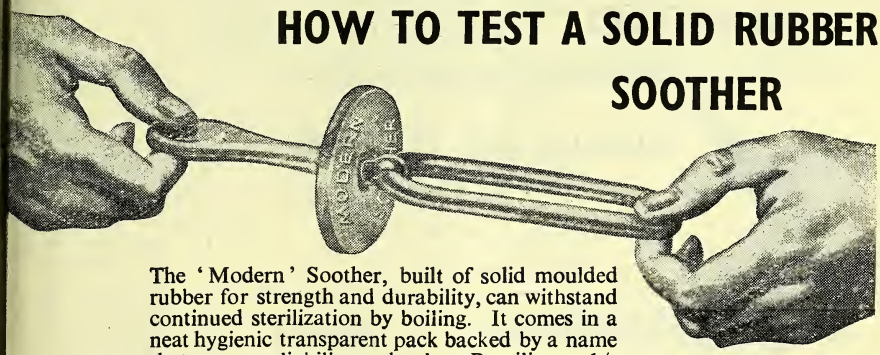
Ferryman, Herbert, Ltd. 26
Field & Co. (Aromatics), Ltd. xxviii
Focus, Ltd. xxii
Franco-British Glass Co., Ltd. 15
Freeder Brothers Paper Mills, Ltd. viii
Freeman, William & Co., Ltd. 18, 19
Freudentheil, Smith & Co. Leader Page
Fulford, G. T., Co., Ltd. ... 15

Gnome Photographic Products, Ltd. ix
Goodall Backhouse & Co., Ltd. 30
Gosheron, John, & Co., Ltd. xxii
Gould, N. & M., Ltd. Leader Page
Graesser Salicylates, Ltd. vi
Guest, Thos., & Co., Ltd. ... 22

Halex, Ltd. 16
Hampshire, F. W., & Co., Ltd. 27
Harker, C. R., Stagg & Morgan, Ltd. xvii
Henderson Bros., & Co., Ltd. 24
Hersom, A. G. ii
Hough, Hoseason & Co., Ltd. xxix
Howards & Sons, Ltd. i
Hudnut, Richard, Ltd. 29

(*continued overleaf*)

HOW TO TEST A SOLID RUBBER SOOTHER



The 'Modern' Soother, built of solid moulded rubber for strength and durability, can withstand continued sterilization by boiling. It comes in a neat hygienic transparent pack backed by a name that means reliability and value. Retailing at 1/- each, The 'Modern' Soother is supplied in attractive display outers containing 2 dozen soothers. 7/10 dozen. (Through your regular wholesaler).

BIF 1949 MAY 2-13 OLYMPIA & EARLS COURT SEE OUR EXHIBIT

The "MODERN" SOOTHER

A CANNON RUBBER PRODUCT

Built to be boiled

THE CANNON RUBBER MANUFACTURERS LIMITED, LONDON N.17

INDEX (cont.)

Imperial Chemical (Pharmaceuticals), Ltd. 17
International Chemical Co., Ltd. xxxi
Institute of Optical Science (The) .....Col. Supp.

Jay, A. E., Ltd. xxviii
Jeffreys, Miller & Co., Ltd. 15
Johnson & Johnson (G.B.), Ltd. xxx
Jones & Bailey, Ltd. vii

Keeling & Walker, Ltd. iv
Kemsales, Ltd. xxxiv
Kent, G. B., & Sons, Ltd. ... 13

Leigh & Sons Metal Works ... x
Lennon, Ltd. ii

Manchester Oil Refinery, Ltd. v
Mandleberg's vi
Marks, Leslie & Co., Ltd. ... 8
Marns, Thomas, Ltd. (Arrid) xxvi
Mather, Wm., Ltd. viii
Matthews & Wilson, Ltd. 24
Maw, S., Son & Sons, Ltd.... 11
Max Factor, Hollywood & London (Sales), Ltd. xx
Medico - Biological Laboratories, Ltd. xiii
Milton Antiseptic, Ltd. 1
Moore Medicinal Products, Ltd. xxxiii

Morgans Pomade Co., Ltd. ... 24

Napp, H. R., Ltd. Leader Page
Neve, W. J. xxxvi

Oakfield & Co. .....Leader Page
Orridge & Co. .....Col. Supp.

Paragon (Brushes), Ltd. 14
Ltd. xiv
Perken, Son & Co., Ltd. ... xi
Pin-up 34
Potter & Clarke, Ltd. 33
Pratt, Sir John, & Co. xxxvi
Progress Shaving Brush Co., Ltd. xxxii
Promedico Products, Ltd. ... xiv

Rayner & Co., Ltd. xxxii
Reckitt & Colman, Ltd. 32
Rendell, W. J., Ltd. 4
Riley, J., & Sons, Ltd. iv
Roberts Windsor Soap Co., Ltd. xiv
Robinson & Sons, Ltd. .....2, xxiv
Rodmill Chemical Co., Ltd. xxiii
Rozalex, Ltd. xxii

Samuelson, P., & Co. ii
Scott & Turner, Ltd. 26
Scurr, C. A. xxxvi
Sessions, Wm., Ltd. Leader Page
Shaw, Robert & Co., Ltd. ...xxxii
Sherley, A. F., & Co., Ltd. xxiii
Sidnick, M., & Co., Ltd. ... xxx
Silvikrin 20
Simpkin, A. L., & Co., Ltd. 32

Spicers, Ltd. .....
Sponcel, Ltd. .....
Stemco, Ltd. .....
Surgical & Manicure Specialists, Ltd. .....
Surgical Hosiery Co., Ltd. ...
Suter, A. F., & Co., Ltd. ...

Tampax, Ltd. .....
Tattoo .....
Taylor, J. .....
Thompson & Capper, Wholesale, Ltd. .....
Townsend, J., & Sons, Ltd....

Universal Metal Products, Ltd. .....

Vacco Sales, Ltd.....
Veno Drug Co., Ltd. .....
Vines Biocrin, Ltd. .....

Wallis Laboratory, Ltd., The x
Walton, T. H., & Co., Ltd. x
Warner, W. R., & Co., Ltd. x
Warrick Bros., Ltd. .....
Webster, Isaac, & Sons, Ltd.
Wernet Dental Manufacturing Co. .....
Westminster Laboratories, Ltd.
Whiffen & Sons, Ltd. ...Cov
Woolf, Lewis, Ltd. .....

Zems, Ltd. .....
Zimmermann, C., & Co., Ltd.

"GLASEPTO" ALL GLASS THROAT BRUSH

SUPPLIES NOW AVAILABLE

Per **7/3** doz.

Special showcard with each dozen brushes

FIG. 665. TWICE-ROUND PATTERN
per 15/- dozen

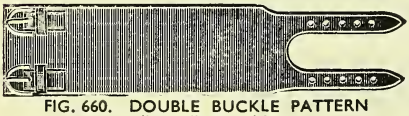
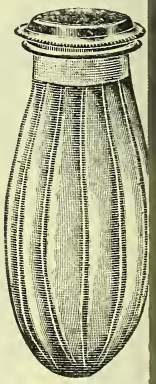


FIG. 660. DOUBLE BUCKLE PATTERN
small, medium and large
per 14/- dozen

WRIST STRAPS

Beautifully made in real hide leather



ICE BAG

SIZES 8", 9", 10

2/6 3/- 3/

EACH

ACTUAL MAKERS **M. J. FECHER LTD.** 121 HIGH ST., SLOUGH, BUCK

Telephone: SLOUGH 21864

DISPLAY *sells more—and* MORE !

Send for New display material for

PHENSIC
CASSELL'S
VENO'S
GERMOLENE
GERMOLOIDS

These profitable family favourites sell more quickly over the counter when they are displayed for all to see. Seeing is buying! Showmanship simplifies salesmanship! So please let us keep you right up-to-date with display material. Write today for a full set. DIRECT terms for the VENO products are: Combined orders amounting to £3 and upwards from qualified chemists will be subject to 10% for display co-operation in addition to our usual ½% discount for monthly account.

VENO DRUG CO. LTD. Chester Rd., MANCHESTER 16

COX OF BRIGHTON

MANUFACTURING CHEMISTS SINCE 1839

Invite your Inquiries for

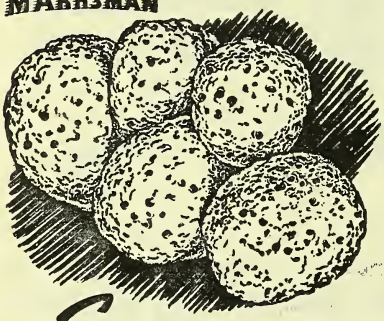
PILLS *and* TABLETS

PACKED OR IN BULK · STANDARD OR SPECIAL FORMULÆ · COATED OR UNCOATED · EVERY SIZE & SHAPE

GROSSES OR MILLIONS

ARTHUR H. COX & CO. LTD. BRIGHTON, 7, SUSSEX

MARKSMAN



Sponges

VISIT US AT STAND No. D.45
B.I.F. OLYMPIA MAY 2 - 13

Leslie Marks & Company Ltd.

Importers and Exporters of Fine Sponges, Chamois Leather Dressers

3-9 EARLHAM STREET, CAMBRIDGE CIRCUS LONDON, W.C.2 *Temple Bar 6135/6*

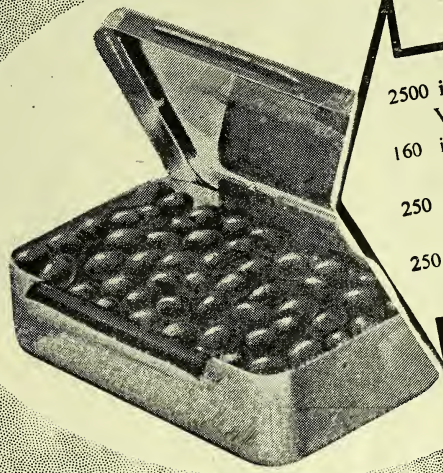
Arctic Glow
TRADE MARK

This product like all other " Broparco " preparatio is of the highest uniform standard of quality ar value. All our goods are manufactured under t personal supervision of qualified Chemists.

Arctic Glow in two sizes—2-oz. screw-capped ja and 1-oz. collapsible tubes.

Sole Manufacturers:
BROOK, PARKER & CO. LTD.
BRADFORD

4 points of importance



2500 international units VITAMIN A
160 international units VITAMIN B_1
250 international units VITAMIN C
250 international units VITAMIN D_2

about MULTIVITE

Trade Mark

HIGH CONCENTRATION The vitamin content of Multivite is such that the normal daily dose supplies the full requirement of the four vitamins even if they are otherwise absent from the diet.

CONVENIENCE Two pellets daily constitute the normal adult requirement.

EASY TO TAKE The chocolate coating and pleasant flavour ensure ready acceptance.

EASY TO SELL Multivite enjoys a wide popularity among medical men and the public. Your customers will welcome its ready availability after several years of short supply.

PRICES

	Trade	Retail	
Tins of 75 pellets	3/7½	5/3	P.A.T.A.
Bottles of 500 pellets	18/-	for dispensing	
Bottles of 1000 pellets	34/-		

THE BRITISH DRUG HOUSES LTD. LONDON N.1

Mlvt/T/2

Gum Tragacanth

N. S. DANGOOR LTD.
Suppliers to the Industry
PROVINCIAL HOUSE, 98-106 CANNON STREET, LONDON, E.C.4.

MAW'S SPRING EXHIBITIONS

will be held throughout Great Britain and Northern Ireland during the next few weeks

WE SHALL BE SHOWING A RANGE OF NEW AND SEASONAL PRODUCTS—SPECIAL OFFERS—AND FINE QUALITY CHEMIST'S SUNDRIES

DON'T FAIL TO VISIT MAW'S EXHIBITION IN YOUR LOCALITY

NEXT WEEK'S DATES :—

MAR. 21 to MAR. 25 (incl.)

LLANDUDNO - NORTHWESTERN HOTEL
COLCHESTER - CUPS HOTEL HIGH ST.
CHELTENHAM - ROYAL HOTEL

(Further List Next Week)

If there is not an Exhibition near enough for you to visit please write for our latest Spring Lists.

S. MAW SON & SONS LTD. BARNET HERTS.

News from **DALMAS** of Leicester

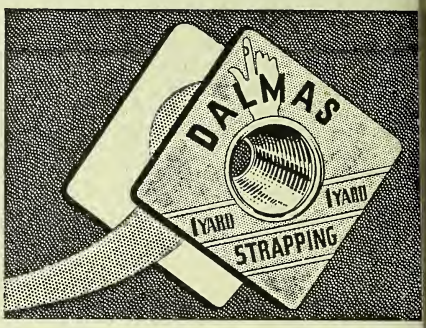
New waterproof adhesive strapping

Supplies increased to meet heavy demand

Demand is already heavy for Dalmas Strapping, a new plastic adhesive that has the great advantage of being absolutely *waterproof*. Because of this, supplies have been greatly increased.

Especially suitable for tiny cuts, sore places, torn finger nails, etc., Dalmas Strapping gives 100% protection against water, dirt, grease and acid. In particular, it is ideal wherever a bandage would be awkward. Because Dalmas Strapping stretches *all* ways, edges stick tight while allowing free movement of joints and muscles.

Dalmas Strapping is skin-coloured, hardly shows. Attractive sell-outs contain twelve 1/- spools, each 1 inch by 1 yard, price 8/-; or 24 spools, price 16/-. Special quantity discounts. Also in 2″ and 3″ widths. PLACE YOUR ORDER NOW!



Dalmas Strapping stretches all ways, is ideal for places where a bandage would be awkward

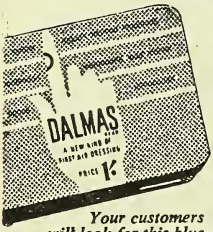
DALMAS BOIL PLASTERS
A new *waterproof* protective dressing for boils. Skin-coloured, hardly shows. Handy boxes, price 10d. retail.

DALMAS HEEL DRESSINGS
A *waterproof* dressing that is specially designed for sore and blistered heels. Handy boxes, price 1/- retail.

DALMAS FINGER-TIP DRESSINGS
A new *waterproof* adhesive protection for cracked, cut or sore finger-tips. Handy boxes, price 1/- retail.

Dalmas First-Aid Dressings

Dalmas, a *waterproof* plastic dressing, provides a totally new method of protecting cuts and minor wounds. Like Dalmas Strapping, Dalmas First-Aid Dressings give complete protection against water, dirt, grease, acid—you can actually *wash with them on!* Edges stick tight, can't fray, can't catch in clothes. Dalmas lessens infection risk, promotes safe and easy healing.



Your customers will look for this blue and white box.

Blue-and-white counter sell-outs containing three dozen 1/- boxes, price 8/- per dozen.

A. de St. Dalmas & Co. Ltd.

Leicester (Leicester 65261)

London Depot: 140-142 St. John St., E.C.1 (Clerkenwell 3399)

Leeds Depot: 14 Neville Street (Leeds 29764)

Scottish Agents: Robert Telford, 29 Waterloo Street, Glasgow, C.2 (Central 2716)

Richard Daniel & Son LTD

PROPRIETARIES
SUNDRIES DRUGS
TABLETS & PILLS

FOR CHEMISTS

Manufacturing Chemists

Head Office & Works Mansfield Road Derby Telephone 4266 (3 lines) Branch Warehouse Grosvenor St Ashton-under-Lyne Telephone 2816 (2 lines)

An Ideal GIFT LINE!

Behind the "Allure" Perfume Hairbrush is the heavy and sustained advertising at home and abroad which for years has been building up to this moment when, for the present, we can fulfil all your orders.

The "Allure" Perfume Hairbrush is advertised by Showcards on all London Underground trains and on slides in cinemas throughout Great Britain.

Give these brushes prominent display and always show one brush apart as this calls attention to the fact that it is not an ordinary brush.

PRESS ADVERTISEMENTS REGULARLY APPEAR IN

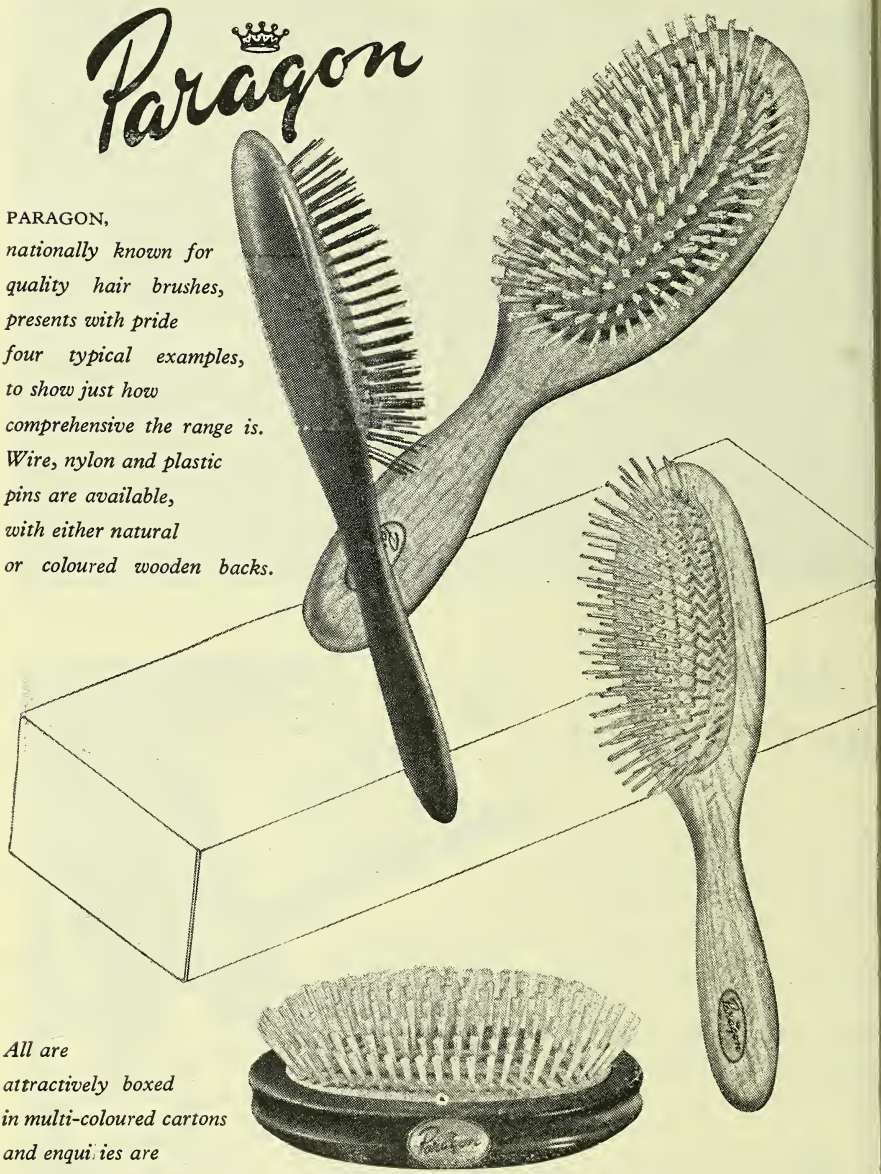
Picture Post
Tatler & Bystander
Punch
Sketch
Vogue
Good Housekeeping
Lady
and many other journals

BY APPOINTMENT BRUSHMAKERS

G. B. KENT & SONS LIMITED
24 OLD BOND STREET : LONDON : W.1
'Phone: Regent 1471/2/3. Tel.: Tricho, Piccy, London

Paragon

PARAGON,
nationally known for quality hair brushes, presents with pride four typical examples, to show just how comprehensive the range is. Wire, nylon and plastic pins are available, with either natural or coloured wooden backs.



All are attractively boxed in multi-coloured cartons and enquiries are welcomed from home and overseas buyers.

PARAGON (Brushes) LTD

157-161 REGENT STREET, LONDON, W.I. Tel.: REGENT 1058-9-0

NOW IN 3½D BAGS!

FOR CONVENIENT STOCKING AND SELLING

Recent area tests have uncovered a demand for a small-size Bablets pack—hence the new 3½d. envelope (containing six Bablets) which you can show and sell alongside the 1/7 size in its display carton

THERE'S GOOD BUSINESS IN

Bablets

Baby's Own Laxative and Carminative

Obtainable from Wholesalers

Display material, etc., from :—
G. T. FULFORD CO. LTD. (of Canada)
8 Royston Park Road, Hatch End, Middlesex

24 + 4 FREE PKTS.
TRADE PRICE 4/4, P.T. 1/9

3½D SIZE PACKED IN BONUS BOXES!

FRANCO-BRITISH GLASS CO. LTD.

For Ampoules & Vials.

FIRTH STREET GLASSWORKS
LEEDS 9

MILLAMALT

Malt Extract with added Natural Vitamins

Sole Manufacturers: JEFFREYS, MILLER & CO. LTD (A6500 I.U., D400 I.U. PER FL. OZ.)
Leyland Mills, Wigan. *London Dept.* 19 Brookside Rd. N

Two Useful Products

SYVITONE **Vitamin Tonic Syrup**
Provides in palatable and assimilable form, the vitamins of Cod Liver Oil.

NIGROIDS **For Throat & Voice**

Prepared in the laboratories of
FERRIS & CO LTD BRISTOL

HOME & EXPORT
TABLETING SERVICE

Available capacity for the compression of Tablets of any size — customers' own material preferred but not essential— Contracts arranged.
Large quantities are handled hygienically and efficiently in our Factory well equipped with modern machinery.

SACCHARIN TABLETS AVAILABLE

THE DALES ASPIRIN & TABLETING CO.
STEETON, Nr. Keighley Phone: Steeton 3222

12/- worth of HALEX saw-cut combs FREE!

DON'T MISS THIS SPECIAL BONUS OFFER

For every Halex display parcel ordered before March 20th you will be sent FREE and FREE OF PURCHASE TAX:—

Six popular-size Halex Saw-cut Combs (retail value 12/-)—one for every dozen contained in the display parcel.

AND one of these eye-catching plastic display stands for your window or counter as well as the showcard seen below.

Remember, Halex Saw-cut Combs are made from stronger, more flexible material, by a series of separate operations to ensure that each individual comb is as perfect, from top to tooth, as human skill and patience can make it.

Get in touch with your wholesaler **NOW** or write to Halex for full particulars of this splendid offer.

HALEX Ltd.
HALE END
London, E.4

'BABESAN'

for Redwater Fever

Widely used by veterinary surgeons, 'Babesan' is specific against the piroplasmoses of domestic animals — e.g., bovine redwater fever. A single injection controls the symptoms within 24 hours.

Further information and literature available from your nearest I.C.I. office :—London, Bristol, Manchester, Glasgow, Edinburgh, Belfast and Birmingham.

IMPERIAL CHEMICAL [PHARMACEUTICALS] LIMITED
(A subsidiary company of Imperial Chemical Industries Ltd.) **MANCHESTER**
Ph.286

DEALER SECURITY

PRICE MAINTENANCE.
BONUS ON SALES!
NATIONAL PUBLICIT

SUBA·SEAL

Guarantees all these with the NEW Bonus Contr
Plan... Designed to administer the most attract
range of Hot Water Bottles in the World!

Book for AUTUMN Delivery

Do it NOW! and SECURE YOUR BONUS

A Plan which will make the stocking and selling of ho
bottles a simple, safe and profitable section of your b
Designed to help you, Mr. Retailer .... and you, Mr.
saler, and at the same time assure you of HIGHER RE
on your sales. Eliminates complex discount systems
you can see at a glance what your earnings will be.
budget accordingly.

In addition to the Bonus Contract Plan, A DISTRIB
SECURITY PLAN will also be established which, whi
interfering with normal trading practice, will ensure tha
Suba-Seal distributor, wholesaler or retailer, will o
fair deal, and retain the essential "freedom of action"
is the basis of honourable trading.

Write to-day for details of the

SUBA-SEAL BONUS CONTRACT P
AND DISTRIBUTOR SECURITY to

WILLIAM FREEMAN & CO. L

SUBASEAL WORKS, PEEL STREET, BARN

Telephone : BARNSLEY 4081 *Telegrams : SUBASEAL, B*

SUBA·SEAL

-It's the "Tops

For the benefit of YOU -THE DISTRIBUTOR!
★
Serial No. 1553
BRITISH
GOOD HOUSEKEEPING
INSTITUTE
Conducted by 'Good Housekeeping' Magazine
GUARANTEE
Replacement or refund of money if this article fails to conform to their standards
The Suba-Seal Range of Safe Nursery Bottles includes :—The Suba•BEAR in natural, brick red, pastel green, pastel blue and orange. The Suba•DOLL in brick red, pastel green, pastel blue and orange. The Suba•GOLLYWOG in black. The Suba•SOLDIER in brick red, dark blue and natural. The Suba•PANDA in black and white. The Suba•SAILOR in dark blue and light blue.
Never before have Hot Water Bottles held such instantaneous "User-Appeal"
STANDARD available in Green and Blue
ba-COT BOTTLE astel Pink, Pastel Blue, Pastel Green
Suba-Seal GIANT BOTTLE available in Red, Green and Blue
Suba-Seal NURSERY RHYME BOTTLE in Red, Green and Blue
Suba-Seal ICE PACKS Strap and Round in Red, Green and Blue
Safe-no screw!

A NEW sales winner!

Silvikrin *Lustrefoam* SHAMPOO

Big news from SILVIKRIN. A brand new seller with a ready made demand! *Lustrefoam* is a soapless shampoo with a difference—a difference women are waiting for—IT WILL NOT, IT CANNOT, DRY THE HAIR. Why? Because it is made from *oil*. Also, a big selling point, it contains Pure Silvikrin. Retailing at 1/1d. per bottle (two or three shampoos) including tax. Supplied in 1 Dozen Display Outers as illustrated.

Order from your usual wholesaler or for best terms on larger quantities from:

SCOTT & BOWNE LTD · Distributors of Silvikrin Products
Winchester House · Old Broad Street · London · E.C.2

TATTOO *leads again!*

FIRST with a DOUBLE-ENDED Lip Pencil!

TATTOO Duette

TWO SHADES IN ONE CASE

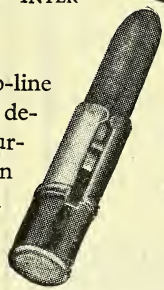
One
FOR DAY

One
FOR EVENING

TATTOO DUETTE will be one of the year's top sellers because it fills TWO definite demands—

★ **1** Day and Evening light, and costumes, demand *two* harmonizing lipstick shades. Duette puts them *both* in *one* long slender case. The buyer selects her own shades, whether for Day and Evening or to harmonize with her wardrobe. In a moment either shade-holder can be slipped out and another colour substituted. All shades are INTERCHANGEABLE.

★ **2** DUETTE conforms to the new lip-line technique of first outlining the shape desired. It is designed so that either colour-holder can be reversed and re-inserted in the case to form a perfectly balanced slender Lip Pencil.



A DOUBLY SURE BIG SELLER!

Retails at 3/4d.
(incl. 1/4d. tax)

Behind the new TATTOO DUETTE will be forceful advertising support. That means a full campaign in all the dominating newspapers and magazines. Each DUETTE Lip Pencil is mounted on a self-selling card.

Link your shop with the TATTOO DUETTE advertising by window and counter displays of these sales-aid cards. TATTOO DUETTE sells on sight . . . it is the *only* Lip Pencil with a TWO-PURPOSE sales appeal.

ORDER STOCKS NOW, before the advertising Commences
ALL DELIVERIES ON APRIL INVOICING FOR PURCHASE TAX

Sole Distributors : Fassett and Johnson Ltd., 86 Clerkenwell Road, E.C.1

GLANOID

EXTRACT HEPATIS LIQ. B.P.

Packed in

1 lb. bottles

Imperial Quarts

Winchester Quarts

Gallons

AMPLE SUPPLIES AVAILABLE
PRICES ON APPLICATION

THE
Armour Laboratories
(ARMOUR AND COMPANY LTD.)
LINDSEY STREET · LONDON · E.C.1

Telephone :
CLErkenwell 9011

Telegrams :
"Armosata-Phone," London

A NAME
and a
STANDARD

"SURE SHIELD"
PRODUCTS

'SURE SHIELD'
IODISED THROAT TABLETS

'SURE SHIELD'
FRUIT LAXATIVES

'SURE SHIELD'
GLYCERINE of THYMOL PASTILLES

LOZENGES. PASTILLES. TABLETS.

IN BULK and ATTRACTIVE PACKS

DELIVERIES. The position is now much improved. Although we are producing to our full capacity we still have to take orders in rotation and are making every effort to maintain an equitable distribution of our PRODUCTS.

Thos. Guest & Co. Ltd. ***Manufacturing Chemists***
Carruthers Street, Manchester, 4

NEW—

KEEP THIS FOR REFERENCE

COMBINED PARCELS

BENGER'S · GENATOSAN · WHIFFEN

You can now order all **Genatosan** products, all **Benger** products, and **Whiffen** 'Cardophylin' *in one parcel* on *new and overall-generous* terms.

New terms are

£3 mixed parcel . . .	**2½% discount**
£5 mixed parcel . . .	**5% discount**
£10 mixed parcel . . .	**7½% discount**
£12 mixed parcel . . .	**10% discount**

All products (except dispensing packs, injection solutions and a few miscellaneous items which are nett) are subject to this parcel discount.

Those items which are nett may be used to build up the value of the order to discount parcel level. In which case the subject portion receives discount commensurate with the *total order* value.

★ ★ ★

Every chemist can make up a £12 journey order using those previously mentioned and others such as 'GENAFORMINT', 'CALOGEN', 'FISSAN' Ointments and Powders, dispensing items, etc.

A suggested parcel

	£	s.	d.
1 doz. x 8/3d. 'SANATOGEN'	3	0	0
1 doz. x 5/6d. ,,	2	0	0
1/12 doz. x 37/7d. ,,	1	2	10
1 doz. x 1/6½d. 'GENASPRIN'		10	0
2 doz. x 2/5½d. ,,	1	12	0
1 doz. x 1/10d. Menthol & Wintergreen Cream ...		12	0
1 doz. x 1/3d. 'COGENE' ...		8	0

	£	s.	d.
3/12 doz. x 20's. @ 3/- 'CARDOPHYLIN'		6	0
6/12 doz. x 6/3d. 'BENECOL'	1	7	0
3/12 doz. x 5/6d. 'CHRONALGICIN'		9	0
3/12 doz. x 4/3d. 'AURALGICIN'		7	0
1 doz. x 2/- Benger's Food		19	4
1 doz. x 3/6d. ,, ,,	1	14	0
1/12 doz. x 6/2d. ,, ,,		5	0

Such an order comprises only a fraction of the specialities you are constantly selling . . . . apart from medically prescribed ethicals, and items quoted nett.

Orders and correspondence (except for "Whiffen" Fine Chemicals) should be addressed to:—

BRITISH CHEMICALS & BIOLOGICALS LTD., LOUGHBOROUGH

controlling BENGER'S LTD., GENATOSAN LTD., WHIFFEN & SONS LTD.

Telephone: Loughborough 2292

T.37A

First year's advertising resulted in

HIGHEST EVER SALES

Long famous for their high quality and reasonable price, HYGEX Rubber-cushioned Brushes were nationally advertised for the first time in 1948. The result was exceptional, sales were the highest ever. And the good work goes on in 1949, for the advertising, in even greater force, is being used to produce even greater sales records.

Hygex brushes are obtainable through wholesale Houses only.

Hygex

RUBBER-CUSHIONED BRUSHES

HENDERSON BROS. & CO. LTD.
Burwell Road, London, E.10.
Leytonstone 5202/3

M & W

TABLETS LOZENGES
CAPSULES & PILLS

SUPPOSITORIES
and Pessaries of the B.P., B.P.C., N(W)F., packed or in bulk, now available including Compound Bismuth Subgallate.
"Own formulæ" prices on request.

MATTHEWS & WILSON LTD
Established 1894
6-8, COLE ST. LONDON, S.E.1.
Proprietors of "SUDEX" Senna Pods
Telegrams: PILLEOLUM, SEDIST, LONDON. *Telephone:* HOP 2147-8

MORGAN'S
Pomade
ENDS GREY HAIR

THAT'S WHY IT SELLS

The reliability of Morgan's Pomade established over 70 years ago, bring steady business. Generous trade terms make it, and Marie Antoinette Egg Julep Shampoo Powder, worth while to stock.

Full list, wholesale prices and terms on application to: Morgan's Pomade Co. Ltd., 1-7 Grenville Road, LONDON, N.19

IOLOGICAL MBL PREPARATIONS

THE QUALITY OF ALL MBL PRODUCTS IS ABSOLUTELY IDENTICAL WITH THAT OF PRE-WAR PREPARATION

because of our heavy purchases immediately before war broke out. Our stocks are still considerable and the high MBL standard will be fully maintained.

THERE IS NO SHORTAGE OF ANY OF OUR PREPARATIONS

		Retail Prices (inclusive of Tax)	CHEMISTS' PRICE Per unit Net	+ Purchase Tax	Per dozen Net	+ Purchase Tax
ANTIPEOL						
OINTMENT	4 oz. tube	7/5	4/2½	+ 1/5	50/5	+ 16/10
	40 gr. „	3/8½	2/1½	+ 8½	25/3	+ 8/5
	20 gr. „	2/1	1/2	+ 5	14/-	+ 4/8
LIQUID	40 c.c. bottle	3/8½	2/1½	+ 8½	25/3	+ 8/5
OPHTHALMO-ANTIPEOL						
20 gr. Nozzled Tube		3/8½	2/1½	+ 8½	25/3	+ 8/5
8 gr. „ „		1/9	1/-	+ 4	11/11	+ 4/-
RHINO-ANTIPEOL						
20 gr. Nozzled Tube		3/1	1/9	+ 7	21/-	+ 7/-
8 gr. „ „		1/9	1/-	+ 4	11/11	+ 4/-
ENTEROFAGOS						
Box of 50 ampoules		19/-	13/3½	None	159/7	None
„ 10 „		4/3	3/-	None	35/8	None
„ 5 „		2/6	1/9	None	21/-	None
DETENSYL						
Tin of 500 tablets...		43/-	24/-	+ 8/-	288/-	+ 96/-
Tube of 50 „		4/11	2/8½	+ 11	32/4	+ 10/10
ST. JAMES' BALM						
Tin of approx. 2½ oz.		3/11½	1/11	+ 7½	22/6	+ 7/6
„ „ 1 oz.		1/7	11	+ 4	11/3	+ 3/9

Carriage paid on all orders of 1 dozen or £1 and over.
Terms: NETT, Monthly Account.

MEDICO-BIOLOGICAL LABORATORIES LTD., LONDON, S.E.25

PROMOL

JUNIOR MOTH RINGS

CONTAIN DEADLY D.D.T.

PROMOL MOTH RINGS JUNIOR SIZE are now doubly efficient by compounding Napthalene with Paradichlorbenzenum and D.D.T. The first two, powerful moth repellents, evaporate gradually, leaving the deadly D.D.T. as fine powder which ***kills insects by contact,*** thus giving an extra protection. Tell your customers this for ***SURE SALES.***

Twice as efficient as before—twice as saleable. 8 rings for 4d.

Attractive red, white and blue display carton. Enquiries invited.

Send Your Enquiries NOW!

PROMEDICO PRODUCTS LTD., 21/22 Turle Road, London, N.4

Here is the new Quart-Size Can

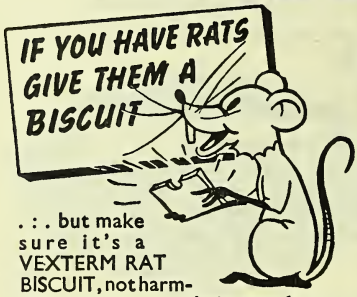
Our trade terms remain as generous as ever — these new quart cans cost you only 34/6d per dozen and retail at 3/10d each, with 5% cash discount — 14 days. Carriage is paid on one dozen packed in non-returnable containers. Please write for further details from

ROBERTS WINDSOR WEED KILLER

MANUFACTURED BY THE ROBERTS WINDSOR SOAP CO LTD

WINDSOR ENGLAND

By Appointment Toilet Soap Manufacturers to H.M. King George VI



. : . but make sure it's a VEXTERM RAT BISCUIT, not harmful to pets, human beings or farmyard stock, but death to rats and mice. Clean, safe and easy to handle. From Chemists, Ironmongers and Stores everywhere. Price 1/6 & 5/9

VEXTERM

READY-BAITED

RAT BISCUITS

Agriculture and Fisheries Licence No. 10184

Manufactured by

BRITISH RODENT EXTERMINATOR CO. LTD

PRATTS BOTTOM · FARNBOROUGH · KENT

Phone: FARNBOROUGH 849

A DUFAY PRODUCT

NOW

Dufay Black and White Film is aunched by an extensive publicity campaign—so be sure of your stocks of Dufay Ortho, Pan and Dufaycolor to meet the great public demand.

Link up by giving a prominent display to "Dufay Film" and a quick ready-made sale is assured.

DUFAY FILM

ORTHO
PAN
COLOR

DUFAY-CHROMEX LTD 14-16 Cockspur Street, London, S.W.1 Telephone: Whitehall 6747

SECTO

EXTRA POWER.

D.D.T.

The Senior British Insecticide

A BEST SELLER FOR 42 YEARS

EXTRA POWER brings in **EXTRA SALES** with **EXTRA PROFITS**

Our 1949 plan includes a strong advertising campaign that will make **SECTO** the quickest and most profitable seller. **SECTO** products (except one) are ***FREE FROM PURCHASE TAX.*** Send for details of **UNRIVALLED** bonus and discount terms.

CUPAL LIMITED · MANUFACTURING CHEMISTS · BLACKBURN

BIGGEST EVER FLIT BONUS

TAKE ADVANTAGE OF IT BEFORE APRIL 30TH !!

ON ALL ORDERS FOR DELIVERY NOT LATER THAN 30th APRIL:—

10% Bonus on all orders of over £10 at list prices
7½% " " " " " " £8 " " "
5% " " " " " " £5 " " "

Orders may include all sizes of Flit products and Flit Hand-Sprayers.

LIST PRICES

Size	Packed in outers containing	RETAIL PRICE	LIST PRICE
8-oz. cans Flit	2-doz.	1/6 ea.	13/- doz.
16-oz. " Flit	1-doz.	2/6 ea.	21/- doz.
32-oz. " Flit	1-doz.	4/6 ea.	38/- doz.
160-oz. " Flit	singly	18/- ea.	12/6 each
160-oz. " Flit Livestock Spray	singly	12/6 ea.	8/9 each
Flit Hand-Sprayers	1-doz.	3/- ea.	26/- doz.
2-oz. Puffer cartons Flit Powder	2-doz.	1/3 ea.	10/- doz.

STOCK FLIT—
WORLD'S No. 1 INSECTICIDE

for profits

STEMCO LIMITED, 128/132 ALBERT STREET, CAMDEN TOWN, N.W.1.

"IT'S IN THE VAN"

HARKER, STAGG & MORGAN LTD.

EMMOTT STREET, LONDON, E.1

Our fleet of modern vans effect deliveries daily in the London area and regularly in the Country. The frequency of our London service has been further stepped-up and pharmacists are assured of a very prompt response to their requirements. Old friends will appreciate these increased facilities. New customers may be assured of satisfaction by giving us a trial.

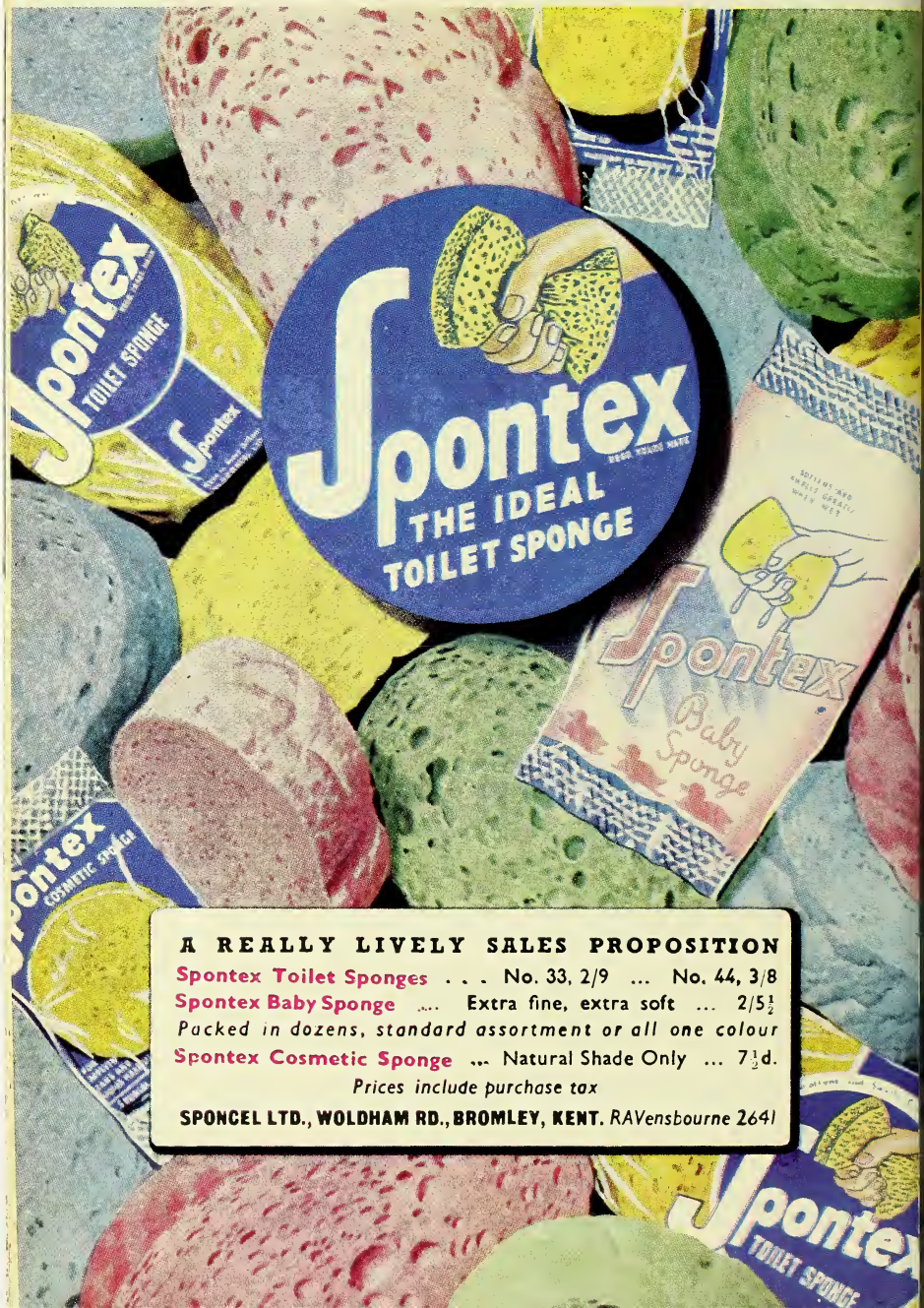
Phone, write or call—STEPNEY GREEN 2022

HARKERS FOR ALL GALENICALS, PACKED PHARMACEUTICALS CAPSULES, TABLETS AND AMPOULES, Etc.

●

Over a century and a quarter in the Cause of Pharmacy.

NOW IN FOUR DELIGHTFUL COLOURS



A REALLY LIVELY SALES PROPOSITION

Spontex Toilet Sponges . . . No. 33, 2/9 ... No. 44, 3/8

Spontex Baby Sponge .... Extra fine, extra soft ... 2/5½

Packed in dozens, standard assortment or all one colour

Spontex Cosmetic Sponge ... Natural Shade Only ... 7½d.

Prices include purchase tax

SPONCEL LTD., WOLDHAM RD., BROMLEY, KENT. *RAVensbourne 2641*

A Pharmaceutical Achievement

MAGSILATE

ASPIRIN THERAPY BROUGHT TO PERFECTION

MAGSILATE

CAN BE CHEWED LIKE A SWEET

No water required

Quicker absorption — more effective action
No gastric disturbance
Fully protected against deterioration

Introduced on highly profitable terms, you will receive with your order, forceful showcards, literature, and free samples for distribution to your customers.

Supplied in cartons of 2 and 12 tablets
4d. and 1/10 inc. P.T.

P.A.T.A.

WESTMINSTER LABORATORIES LTD. CHALCOT ROAD, LONDON N.W.1

THE HOUSE OF *FIRSTS*

First
with make-up for the motion picture studios

First
to feature cosmetics as "make-up"

First
to feature Hollywood screen stars in cosmetic advertising

First
with Colour Harmony Make-up

First
to classify and originate the name "brownette"

First
to introduce "Personalized" Christmas Gift Sets for Blondes, Brunettes, Brownettes and Red-heads

First
to introduce a new and utterly different cosmetic fashion — "Pan-Cake" Brand Make-up

First
to introduce a new make-up for Technicolour motion pictures

First
to introduce the new lipstick idea—3 shades for each type—Clear Red, Blue-Red and Rose Red

First
with 3 rouge shades for each type—new pastels in Clear Red, Blue Red and Rose Red

First
to originate new exclusive patented lipstick colour formula

First
with the new colour tones—Amber—in "Pan-Cake" Brand make-up and Face Powder. Colour harmonized to natural skin tones

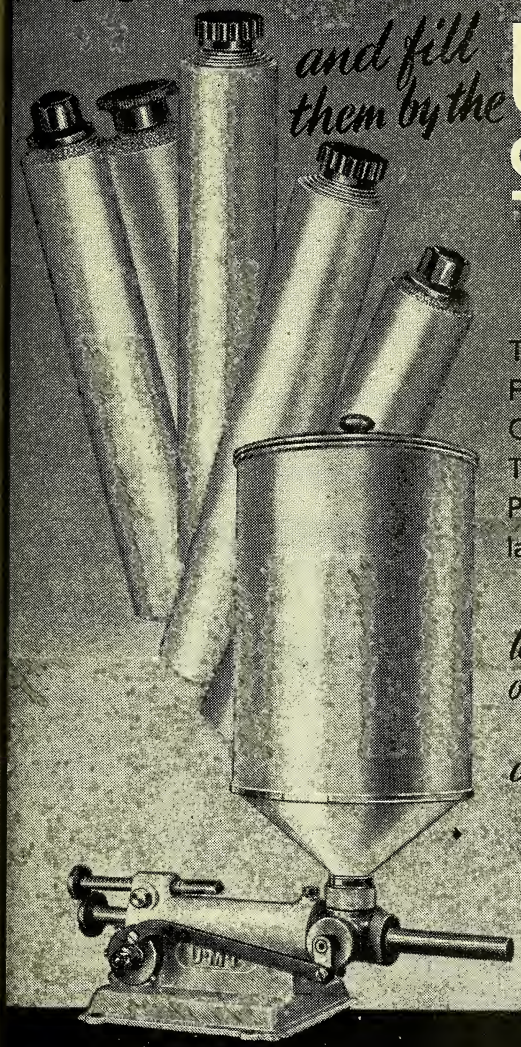
Max Factor HOLLYWOOD

MAX FACTOR HOLLYWOOD & LONDON (SALES) LTD

16 OLD BOND STREET, LONDON, W.1

Use U·M·P COLLAPSIBLE METAL TUBES

and fill them by the U·M·P COLLAPSIBLE TUBE FILLING UNIT



This unit consists of Tube Filling Machine, Tube Closing Machine and Tube Crimping Machine. Please write for particulars and descriptive leaflet.

We are also moulders of PLASTICS to the Trade by injection and compression methods

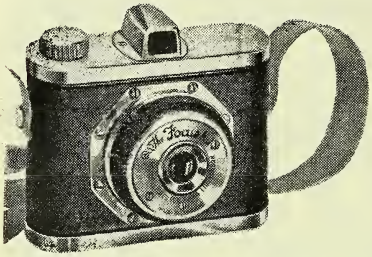
U·M·P

THE SIGN OF SERVICE AND CO-OPERATION

UNIVERSAL METAL PRODUCTS LTD.

SALFORD 6 LANCS. *Telephone:* PENDLETON 1631-2-3

LONDON OFFICE: ARGYLE HOUSE, 29/31, EUSTON ROAD, N.W.1.



The "FOCUS No. 1" *Camera*

This handsome camera in chrome, aluminium and black crackle is what every casual and amateur photographer will want this year.

SPECIFICATION

F11 lens, 1/25 and Brief. Either 120 size or 620 size films fit this Camera. Takes 9 photos 2¼" x 2¼" on FOCUS films or 12 on 8 exposure film. A direct vision view finder and strong carrying strap complete a fine camera.

TERMS—Pro forma invoice or cash with order.

Trade Price - **£1 . 5 . 6**
(PLUS PURCHASE TAX)

FOCUS PANCHROMATIC FILM

FULLY GUARANTEED AND ATTRACTIVELY PACKED

"20," "27" and "62" sizes only. Write for details

FOCUS LTD. 40 Sackville Street, Piccadilly London, W.1. Tel: MAYfair 2287

dirty work to be done?

THE BEST BARRIER PREPARATION

ROZALEX

IT STOPS DIRT FROM GETTING INTO YOUR SKIN

ALSO ROZALEX OINTMENT

Rozalex Ltd., 10 Norfolk St., Manchester 2

IT'S TAPOLOGICAL, AFTER ALL

When you buy technical and commercial tapes, you expect them to comply with all official specifications, meet all demands on quality and performance, be backed by understanding service, fair dealing and intelligent appreciation of your needs. Accepting these points as the absolute minimum, we confidently welcome the pleasure of your enquiries.

GOSHERON

FIRST FOR SERVICE IN TAPES SINCE 1909

transo tape

—the first name in self-adhesive cellulose tape for all uses in industry everywhere

OFFICIALLY APPROVED AND UNIVERSALLY ACCEPTED

Samples and prices gladly

JOHN GOSHERON & CO LTD

Britain's Tapographical Specialists

GAYFORD RD LONDON W12 SHEpherds Bush 3326

SHERLEY'S always make

Regular Customers!

be sure of a fair share of the big, ular demand for the Sherley's eparations please order well ahead— empty shelves can only mean disap- intment. There is no treasure like a ular customer. He is the mainstay of ofitable trading; a source of valuable od will. Adequate stocks of Sherley's og and Cat Medicines will keep the egulars" happy and turn many a asual" into a good friend.

HERLEY'S DOG MEDICINES

F. SHERLEY & CO. LTD., 16/18 MARSHALSEA ROAD, LONDON, S.E.1

IS MONEY TIGHT? WE THINK SO!

The Public is asking for small sizes

DiDiT LIQUID INSECTICIDE

delicately perfumed, containing D.D.T.

NOW OFFERED IN A NEW SIZE

5 oz. BOTTLES selling at - - - 1/3

Order in units of 2 doz.

Also available:

DiDiT Liquid insecticide - 10 oz. bottle retails 2/-
DiDiT Insect Powder - - - - 1/- and 2/- tins
DiDiT Fly Papers - - - - 1/- (Packets of 4)

All subject to 33⅓% Plus an extra 10%

Order from manufacturers:

RODMILL CHEMICAL CO. LTD., Liverpool 3

efficiency in emergency

The germicidal efficiency of 'Dettol' remains high even in the presence of blood, pus and wound debris. This property, coupled with its wide margin of safety, makes 'Dettol' invaluable for use in emergencies, not only by you, but in the less qualified hands of others who in emergency might have to render first aid.

'DETTOL'

THE MODERN ANTISEPTIC

RECKITT & COLMAN LTD., HULL AND LONDON
(PHARMACEUTICAL DEPT., HULL)

Always supply

MENEX

FOR WOMEN WHO PREFER

Soluble

TOWELS

Pre-stretched, detachable loops, waterproof backs

ROBINSON & SONS LTD. CHESTERFIELD & LONDO

also makers of the famous

MENE

— popular for over 50 years

An

ALL-BRITISH FIRM

have pleasure in announcing that:—

BRONCHOVYDRIN

is back on the BRITISH MARKET

★

EXEMPT *from* PURCHASE TAX

★

This Inhalant for the Treatment of Asthma is now Obtainable from the

Manufacturers and Sole Distributors :—

BRONCHOVYDRIN (1945) LTD.

12 WESTWOOD ROAD • BARNES • S.W.13

THE POPULAR COUGH SYRUP

Good for the young and good for the old

Supplies may be obtained from C.F Wholesale Houses

ZEMS LTD

718/724 Seven Sisters Road, London, N.15

Telephone: STAMFORD HILL 6658-9

Now available

NEW, IMPROVED ARRII

over 8d. profit for you on every jar you sell! Retail price 2/5 including purchase tax

—the cream deodorant which also stops perspiration

WOMEN are clamouring in the shops f Arrid—the world's biggest-selling crea deodorant which also stops perspiration. Adve tising is being increased, and with a stro national campaign running, the demand will something terrific!

Arrid sells on sight, and you make over 8 on every jar. Easy, quick profits, and satisfi customers who'll come in for other goods! You be well advised to stock up without delay.

ORDER ARRID NOW!

***Details of special terms for ARRID, Carter's Little Liver Pills, and other products from* THOMAS MARNS LTD., 2 CAXTON STREET, LONDON, S.W.1**

ESTABLISHED 1793

ATKINSON & BARKER'S INFANTS' PRESERVATIVE

The Best and Safest Infants' Medicine of 150 years' standing

Does not contain any Scheduled Poison

ROBERT BARKER & SON, LTD.
13 WESLEY ST., C. on M., MANCHESTER

.. MANOFDS ..
. NEVROIDS .
URICURE TABLETS
OCCASIONAL PILLS

THE ACTON PILL & TABLET Co. Ltd.
ASHVALE SURREY
and all Sundries Houses

AVE YOU RECEIVED YOUR RATION OF AMMI-DENT?

The Only Dentifrice that stops Decay

IF you have not yet received your supply of Ammi-dent, get on to your wholesaler at once.

Just as soon as your customers realise that at last they can clean their teeth with something which definitely prevents teeth decaying, they are going to insist on Ammi-dent and nothing else.

For Ammi-dent is the only Dentifrice which can make that claim. It is the only Ammonium Ion Dentifrice, the only dentifrice containing that particular combination of Dibasic Ammonium Phosphate and Synthetic Urea which American Dentists have proved not only prevents Dental Caries, but even arrests Caries if it has already set in.

British Dentists are recommending it. Our advertising is on the point of starting. Get your stock in now. Supplies are very short.

Distributors:

Fassett & Johnson, Ltd., 86 Clerkenwell Road, London, E.C.1

AMMI-DENT

The Ammonium Ion Toothpowder

ACTUALLY PREVENTS TOOTH DECAY

Retail 2/6 incl. Tax. Usual Trade Discounts

MADE AND GUARANTEED BY THE

ERNET DENTAL MANUFACTURING CO., WELWYN GARDEN CITY, HERTS.

THERAPEUTIC PRODUCTS

Why Doctors Prescribe Alka-Zane

ALKA-ZANE is composed of the four principal bases which constitute the alkali reserve: sodium, potassium, calcium, magnesium—as citrates, carbonates and phosphates. Like all Warner preparations it is advertised to the medical and allied professions only. ALKA-ZANE provides a refreshing, palatable, effervescent medicament and is selected by physicians:

1. **for the treatment of all forms of acidosis as in "morning sickness" of pregnancy, fevers, the common cold, and influenza;**
2. **for counteracting nausea and toxic reactions during sulphonamide therapy;**
3. **for promoting diuresis in cardiac and nephritic conditions.**

Literature and samples supplied on request.

AGAROL — ALKA-ZANE — ANUSOL — GELUSIL — VEGANIN — VERACOLATE — VINCE

William R. WARNER and Co. Ltd. POWER ROAD, LONDON, W.4.

FIELD & CO. (Aromatics) LTD. MOUNT PLEASANT, ALPERTON, WEMBLEY, MDX.

Phone - - WEMBLEY 5441 (3 lines)
Telegrams & Cables - FUMRIFIELD, WEMBLEY

F.3.B.

TRANSPARENT CELLULOSE DRINKING TUBES

(1,000 per box)

@ **6/-** BOX

WOODEN ICE CREAM SPOONS

(in bundles of 48 spoons)

@ **2/-** PER GROSS

CHERRY PICKS

@ **20/-** THOUSAND

Wholesale enquiries invited

A. E. JAY LIMITED

68 STOKE NEWINGTON HIGH ST., N.16

Phone : CAN 3067/8/9

Up and Coming!

Your customers will be glad when they know that you can supply them with ZAC Baby Products which are steadily but *surely* coming into the ranks of the big sellers.

Top in quality — moderate in price — consistently advertised and showing you, the retailer, first-rate terms, they form the ideal combination for good business.

31 Million Adverts

in next 3 months alone

During the next 3 months alone over 31 million adverts for ZAC Baby Products will appear in all the leading Women's Weekly, Fortnightly and Monthly publications as well as in a long list of Provincial Newspapers. Demand is assured. Send for a small parcel forthwith to avoid disappointing your customers.

HOUGH, HOSEASON & COMPANY LIMITED
ATLAS LABORATORIES, MANCHESTER 19

A NEW LINE THAT IS SELLING WELL!

Display this pack prominently on your counter

KALMS tablets bring a new, scientific approach to the problem of relief of functional menstrual pain, not relying, as is usual, solely on analgesics.

KALMS contain an assimilable iron compound needed by the system at these times, and have a tonic effect, dispelling depression.

Large-scale factory tests have proved the effectiveness of KALMS, and customers like the "self-service" display.

This profitable line is backed by an intensive advertising campaign in the women's magazines, as well as by the name of JOHNSON & JOHNSON.

TRADE PRICE: 9/- per doz. pkts. plus 3/- tax
RETAIL PRICE: 1/4½d. per pkt. inc. tax

Kalms

(PRONOUNCED "CALMS")

A Johnson & Johnson PRODUCT

REGULAR DELIVERIES in ALL areas

PROPRIETARY GOODS
Pharmaceutical Preparations
TOILET REQUISITES
Dressings and Cotton Wools
DRUGS AND SUNDRIES

We give an efficient wholesale service, and you can rely on courteous and careful attention to your particular needs.

SIDNICK & CO. LTD.
11-12, FINSBURY SQUARE, LONDON E.C.2.
Telephone: MONARCH 5642/3

"SURCO"

RELIABLE

ELASTIC HOSIERY

SEAMED AND SEAMLESS

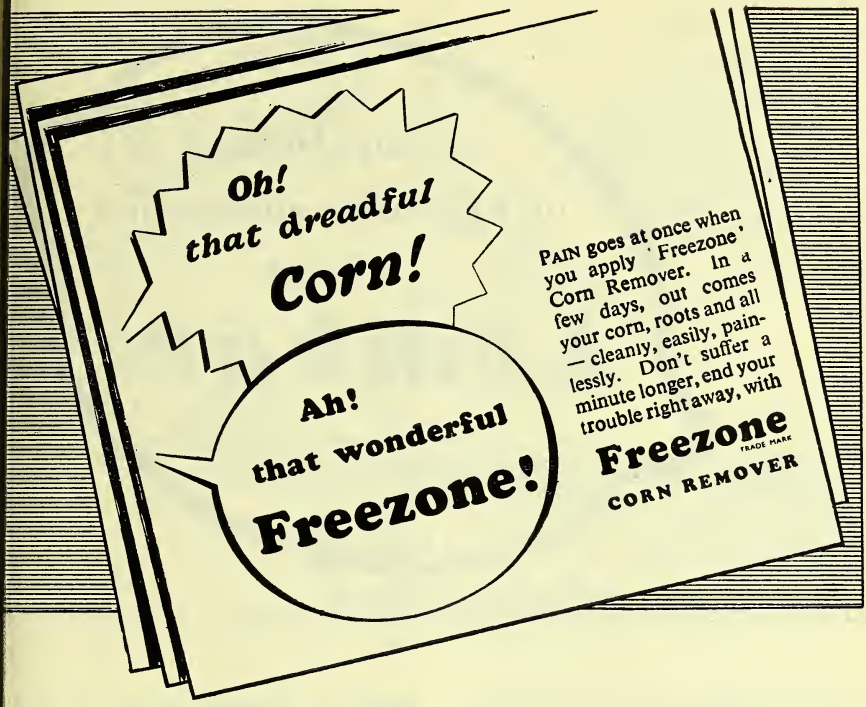
For special garments to measure we give the best possible service

SURGICAL BELTS TRUSSES AND SUNDRIES

50 years' service of everything Surgical

SURGICAL HOSIERY CO. LTD.

Russell Street - NOTTINGHAM
Telephone No. 75903 Telegrams: Surgical Nottm



Of interest to sufferers only

NOBODY could be less interested in corns than people who don't suffer from them. But people who *do* suffer — and their name is legion — are very deeply interested in the subject.

That's why I.C.C.'s powerful new advertising campaign for 'Freezone' Corn Remover is bound to have a big effect on sales. Advertisements like this one — appearing throughout the national press and magazines — (1) immediately catch the eye of any sufferer, and (2) promise him relief in a few seconds, and (3) riddance of his corn, roots and all.

Get ready for the coming increased demand by ordering renewed supplies of 'Freezone' Corn Remover right away.

INTERNATIONAL CHEMICAL COMPANY LIMITED

CHENIES STREET, LONDON, W.C.1

As an Antacid
or in febrile conditions
Invalid
Lembar
justifies the doctor's highest recommendation
Available in limited quantities

Soluble extract of
Barley ... 7.4%
Sugar ... 23.7%
Glucose ... 10.4%
Lemon Juice 37.0%

Plus Flavouring and permitted preservative

The above percentages are expressed in weight per given volume

MADE BY RAYNER AND COMPANY LIMITED, LONDON, N.1

The LONDON SERIES

Famous London Place Names denote a new VULFIX Series of 6 luxury-type Shaving Brushes at a modest price range.

Our London office will send on request copies of a fully illustrated Brochure, an artistic souvenir of some of London's Famous Landmarks

PROGRESS SHAVING BRUSH CO., LIMITED
MOTTRAM STREET, STOCKPORT
Telephone: STOckport 2147
49 LEADENHALL ST., LONDON, E.C.3
Telephone: ROYal 2857

Net News!

These 3 attractive, new envelope packs are no available for the Home Trad

Packed in display outer, in assorted colour if required. Counter display also availabl for the well-known Venus Cap Net. You Wholesaler has plentiful supplies.

Wholesale & Export: Robert Shaw & Co. Ltd., Nottingha
London Office: Condor House, St. Paul's Churchyard, E.C.

REPEAT SALES *FOLLOW* INTRODUCTION

We are advertising Codasphen to tell the public that here, in simple tablet form — in handy, dainty aluminium tubes suitable for pocket or handbag — is the pain reliever they have been looking for.

Sales of Codasphen are growing steadily everywhere—new customers—repeat orders—recommendations. For you these mean increased turnover and added profits.

Display the attractive Codasphen outer prominently, together with our showcard, and help to make OUR advertising YOUR advertising.

Include Codasphen when making up your bonus order. Full particulars on application.

MOORE MEDICINAL PRODUCTS LTD

ABERDEEN LONDON OFFICE: 64 GLOUCESTER PLACE, W.1. LONDON
WELBECK 5718/9

Keen winds but keen health . . .

Men-Lics aid breathing by warming the cold air in its passage to the lungs. They clear obstructions gently penetrating with their healthful warmth.

Ewbanks

6d. per Packet (inc. P. Tax)
Trade Terms on Application.

"MEN-LICS"

EWBANKS LTD EAGLE WORKS PONTEFRACT · YORK

ALWAYS IN DEMAND

Beaulah's
MALTED MILK

PACKED IN ONE POPULAR SIZE
2/6

J. & J. BEAULAH LTD.
BOSTON, LINCS.

A GRAND COUNTER ATTRACTION -and FREE!

This attractive Displa Outer comes free wi every dozen lot Besorbon medicinal snuff. Give your usu wholesaler a trial order for this all-year-roun preventive remedy for Hay Fever, Colds ar Catarrh—backed by national advertising, Be orbon sells on sight! Put it on your counte

BESORBON

Kemsales Ltd., 20 Eastcheap, London, E.C

Fine CHEMICALS

Burroughs Wellcome & Co. offer a selected range of fine chemicals on particularly advantageous terms to bulk purchasers.

Each is the product of long manufacturing experience and strict analytical control, and represents the highest attainable standards of quality and purity. Further details and quotations will be supplied on application to Bulk Chemicals Section, 183-193, Euston Road, N.W.1.

ADRENALINE
ADRENALINE BITARTRATE
BENZAMINE HYDROCHLORIDE
CARBACHOL
CINCHOPHEN
EMETINE HYDROCHLORIDE
ERGOMETRINE
ERGOMETRINE MALEATE
ERGOTOXINE ETHANESULPHONATE
HISTIDINE MONOHYDROCHLORIDE
HOMATROPINE HYDROBROMIDE
HYOSCINE HYDROBROMIDE
PETHIDINE HYDROCHLORIDE
STILBŒSTROL
STILBŒSTROL DIPROPIONATE
OUABAIN
K-STROPHANTHIN
SULPHAGUANIDINE
THYROXINE-SODIUM
***d*-TUBOCURARINE CHLORIDE**

BURROUGHS WELLCOME & CO.
(THE WELLCOME FOUNDATION LTD.) **LONDON**
Associated Houses :
NEW YORK MONTREAL SYDNEY CAPE TOWN BOMBAY SHANGHAI BUENOS AIRES CAIRO

MISCELLANEOUS OPPORTUNITIES

SPECTACLE CASES —

METAL BODIED — COVERED — SPRING TOP. (N.H.S.)

13/6 dozen plus 66⅔% Purchase Tax

SPECTACLE FRAMES —

IN 514 AND 524

LENSES: DELIVERY EXPECTED SHORTLY

— SEND US YOUR ENQUIRIES —

SIR JOHN PRATT & CO.

(Proprietor SIR JOHN PRATT J.P.)

89 FORSET COURT, EDGWARE ROAD
LONDON, W.2

SYRIAN LIQUORICE JUICE STICKS, 25 gramme

Each stick wrapped in transparent cellulose film.

Original cases 40/50 Kilos gross cartons at . . . . 2/4 lb.

ex Wharf London duty paid. Box 5/831

SACCHARIN TABLETS. Full strength. In Packets of 100 Tablets. In 3 doz., 6 doz., or 1 Gross Boxes as required. 6/3 per doz. for small quantities. 6/- per doz. for 1 Gross lots. 5/10 per doz. for 5 Gross lots. Special quotations for large quantities. Delivery immediate. Carriage Paid. Terms: Cash with order or in 7 days for approved a/c.

THE WALLIS LABORATORY, LTD.
58 King George's Avenue, Watford, Herts.

Standard Saccharin Tablets

each containing 0.2 grains of .550 saccharin, packed in 100's

5 gross at 65/- per gross.
10 „ at 64/- „ „

Larger quotations on request.

Post free, cash with order.

T. H. Walton & Co., Ltd., Batley.

KNOW YOUR COSTS

Why be worried with staff and overheads when you c send your products to us for packing.
Output can be increased or decreased to suit prevailin markets, therefore, you are not committed to hold lar stocks or staff and your overheads are cut to a minimu

Let us quote you

T. J. FAVELL & CO. LTD.

192 Seven Sisters Road, London, N.4

ARChway 1846

OPTICAL TUITION

For the S.M.C., B.O.A., I.C.O., and N.A.O. DIPLOMA Examinations

Particulars:—

C. A. SCURR, F.S.M.C., F.B.O.A., F.N.A.O., D. Opt. F.C.O., M.P.S.

50 HIGH STREET, BARNET, LONDON N.

PUNCH & DIE SERVICE

All types of Punches and Dies refaced and reconditioned, including Multiple and Special Shapes. Single Sets by return.

W. J. NEVE, Whitecliff, Sutherland Avenue, Biggin Hill, Kent. Telephone: Biggin Hill 382

EDWARDS SURGICAL SUPPLIES LTD

We have large stocks of . . .

Surgical Instruments · Sundries
Record Syringes · Hypodermic Needles
etc.

Your enquiries are invited

83 MORTIMER STREET · LONDON · W.1

FRENCH POLISHING CONTRACTORS

Shop Fronts and Showcases a Speciality
Keen Prices and Good Workmanship Assured

J. TAYLOR

6 Edward's Place, Kerbela St., E.2 Phone: BIS 1756

PRACTICAL METHODS OF URINE ANALYSIS

1944 Edition now available. Rewritten, thoroughly Revised and Up to date. 8/3 Post Free.

THE CHEMIST & DRUGGIST,
28 Essex Street London, W.C.2

Printed by The Haycock Press, Ltd., 106-140 Neate Street, Camberwell, S.E.5, and Published by the Proprietors, Morgan Brothers (Publishers), Limited, at 28 Essex Street, Strand, London, W.C.2. 77/31

CATCH THE EYE

of the passer-by!

The Public Rely on

When people need quick relief from Pain, Colds, or 'Flu they rely on BEECHAM'S POWDERS. Have you a good share of this turnover which is supported by widespread publicity on outdoor signs, by regular insertions in National and Provincial, Morning, Evening and Weekly papers and in a long list of Periodicals and Magazines?

Write to the address below for new display materials which are now available. They will help you to turn passers-by into regular customers.

P.A.T.A.

BEECHAMS PILLS LTD., ST. HELENS, LANCS

ANDREWS now in two sizes

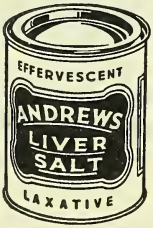
We are pleased to announce the re-introduction of the 4 oz. tin after an interval of some years.

This has been done at the suggestion of a great many of our customers and also of the public.

4 oz. tin *selling at* **1/3**

8 oz. tin *selling at* **2/3**

net weights guaranteed



SCOTT & TURNER LTD
NEWCASTLE-ON-TYNE

GT13

Doctors are Prescribing
"D.5 DAMANCY"

They are Dellipsoids
D.5 RHEUMALGESIA
the new
SUCCINO - SALICYLATE TREATMENT
***for* RHEUMATIC CONDITIONS**
and accompanying pain

These are the actual products used in this Course in clinical trials: they have been designed to a definite treatment based upon the results experience gained in these trials by respons clinicians.

Descriptive literature sent on request.

D.5 Rheumalgesia are supplied in:
Bottles of 1,000
" " 500
Packs of 100 retail 7/-. Incl. P. Tax.

Telephone: BYRon 1440/1800
Telegrams: Damancy Harrow

DAMANCY & CO·LTD HARROW MIDD
ESTABLISHED 1890

The Complete
WHOLESALE SERVICE

The Service Wholesaler has always been the bulwark of safety for the Retail Druggist. His creed is: Buy what you want; omit what you cannot sell.

The Service Wholesaler is an economic force pitted against waste and excess stocks. His volume must come through the service which he alone can render.

No method offers a better opportunity to meet modern merchandising problems than that of buying as needed through your Service Wholesaler.

" Let us be your Warehouse "

Ferryman
OF SOUTHAMPTON

Suppliers of Proprietaries, Drugs and Galenicals, Sundries and Packed Pharmaceuticals.

HERBERT FERRYMAN, LTD.
Cobden Bridge, Southampton

Telegrams: Ferryman, Southampton.
Telephones: 75641 (5 lines).

HE *Snowfire Bride* AND *You*

s you know, women are buying much more arefully now. In cosmetics, they are looking or excellence at a reasonable price. The nowfire bride paintings call attention to the careful styling and fine quality of Snowfire preparations, making Snowfire sales today especially easy and quick. You will find it very profitable to *stock well and display* . . .

SNOWFIRE *Beauty Preparations*

F. W. HAMPSHIRE & CO. LTD., DERBY

URALYSOL

Original Formula

We take pleasure in announcing that supply difficulties having been overcome, Uralysol is again available with the original pre-war formula containing Thyminic Acid and Piperazine tartrate.

P.A.T.A. 41/8 per doz. RETAIL 4/4½

CONTINENTAL LABORATORIES LTD

101 Great Russell Street, London, W.C.1

It's **FERBER'S** *for* **CAPSULES**

Makers of

'CALCIVITA'
capsules for the treatment of colds, chilblains and circulatory deficiency.

'VITAMAXA'
capsules—a multi vitamin capsule correcting dietary deficiencies and enabling a properly balanced vitamin intake.

QUOTATION AND FULL DETAILS ON REQUEST

Apiol
Apiol & Ergotine
Blauds
Carbon Tetrachloride
Cascara
Castor Oil
Cinnamon & Quinine
Cod Liver Oil
Copaiba
Creosote
Ergot
Eastons Syrup

Glandular Hormone
Guaiacol
Halibut Liver Oil
Haemoglobin
Hormone
Ichthyol
Malefern
Multi Vitamin
Olive Oil
Quinine
Santal Oil
Vitamins A. B_1 B_2 B_6 C. D. E. K.

In bulk or packed

ROBERT FERBER LTD. CARLTON WORKS · ASYLUM ROAD · S.E.15 Phone: NEW CROSS 0231/2

NEW BUSINESS- with a Display Bonus offer to give you a profit of 46%

WORLD-FAMOUS COSMETIC HOUSE SPONSORS THESE FOUR NEW HAIR BEAUTY PREPARATIONS

1 ENRICHED CREME SHAMPOO

A luxurious, enriched, golden creme shampoo. Leaves hair soft and radiant. Delicately perfumed. Especially suited for use before "home perm".

8 oz: 51/- doz., I.R.P. 7/6d.
2 oz: 17/- doz., I.R.P. 2/6d. (33⅓% TAX).

2 CREME RINSE

A revolutionary treatment for dull, dry hair, for use after a shampoo. Leaves hair wonderfully soft and easy to manage. Particularly suitable for use after a Permanent Wave.

8 oz: 37/9 doz., I.R.P. 5/6d.
2 oz: 15/- doz., I.R.P. 2/3d. (33⅓% TAX).

3 DANDRUFF TREATMENT

31% of women give dandruff as their chief hair worry. This effective and refreshing treatment has no unpleasant odour and fills a real need. Active ingredient, Alkyl dimethyl benzl amonium chloride.

8 oz: 37/9 doz., I.R.P. 5/6d.
2 oz: 15/- doz., I.R.P. 2/3d. (33⅓% TAX).

4 CREME HAIR DRESSING

The merest trace of this lanolin-rich creme keeps the hair lustrous and neat with a look of "salon grooming". The delicate pink colour gives it a strong feminine appeal.

4 oz: 24/6 doz., I.R.P. 5/-.
2 oz: 15/- doz., I.R.P. 3/-.
(100% Tax).

THE COMPLETE Richard Hudnut HAIR BEAUTY RITUAL KIT

Contains one 2 oz. bottle of each preparation and is attractively packed in a travelette pack.

Richard Hudnut
HAIR BEAUTY PREPARATIONS
MADE BY THE MAKERS OF THREE FLOWERS COSMETICS

DON'T DELAY! WRITE TODAY FOR BOOKLET AND ORDER FORM

RICHARD HUDNUT LIMITED · POWER ROAD · LONDON · W.4

BE READY

FOR THIS SEASON'S INCREASED EGG PRODUCTION

With extra poultry foods available, more o your customers will be preserving eggs this season. This means more requests fo Goodall's Waterglass. Be sure your stocks are sufficient to meet the increased demand. Goodall's Waterglass gives a clear, clean fluid. Packed in attractive all-metal leakproof tins.

No. 1 size in 4 & 6 doz. cases; No. 2 size in 2 doz. cases

*Cases are **free** and non-returnable.*

Goodall's WATERGLASS

EGG PRESERVATIVE

GOODALL, BACKHOUSE & CO., LTD.
SOVEREIGN STREET, LEEDS

(29T)

ADVERTISING UP AGAIN!

MOTHAKS

THE BEST KNOWN, READIEST SELLING EFFECTIVE MOTH DAMAGE PREVENTIVE.

Nearly 60,000,000 advertisements each month during the peak selling period. Link up your business with all this publicity.

DISPLAY MOTHAKS NOW AND INCREASE YOUR SALES

NO PURCHASE TAX

Sole Makers :—

THOMPSON & CAPPER WHOLESALE LTD

LIVERPOOL, 19

DISPRIN

Soluble, neutral and palatable aspirin tablets in stable form

DISPRIN has all the valuable qualities of calcium aspirin—analgesic, antipyretic and anti-rheumatic. Since it is soluble, it is more rapidly absorbed and consequently more speedy in its clinical effect. Since it presents aspirin in the form of its calcium salt, it is more sedative. Moreover, it does not act as an irritant to the gastric mucosa, because, unlike ordinary aspirin, it is soluble.

DISPRIN: STABLE, PALATABLE, NEUTRAL SOLUBLE CALCIUM ASPIRIN

Made by the manufacturers of 'Dettol'

RECKITT & COLMAN LTD., HULL AND LONDON (PHARMACEUTICAL DEPT., HULL)

Here's a winner!

This attractive special display outer 21/- (inc. P. Tax) contains six boxes of 20 capsules at 3/10 each. One box of 40 capsules at 7/2.

POSTAGE FREE

Relief from rheumatic pains, headaches, neuralgia, influenza, feverish colds,

Simpkins of Sheffield

Heading for Speedier Sales!

News! Increased advertising is spreading the story of BIOCRIN—the proved Shampoo-Reconditioner. Through more magazines more women are learning about this health-and-beauty treatment.

A Large Profit Margin and Regular Clientele For You!

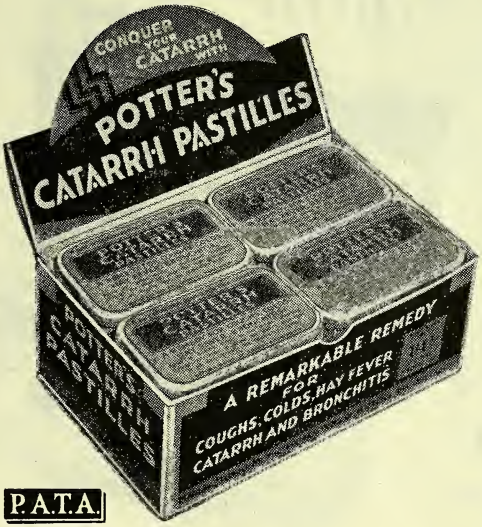
Retail Sizes 18/6 and 30/- per dozen (plus 33⅓% tax) retailing at 3/- and 5/- each

Biocrin pomade shampoo

A product of Vine's Biocrin Ltd., London, W.2.

Potter's

CATARRH PASTILLES



P.A.T.A.

BIF 1949

MAY 2-13
OLYMPIA &
EARLS COURT

SEE OUR EXHIBIT

STAND
B — 21
OLYMPIA

Retail 1/4½ each. Wholesale 9/- per doz.
Plus tax 3/-

[Reminder: Potter's ASTHMA REMEDY, Retail 2/5
Wholesale, 18/-, plus tax. 6/- per doz.

NOW READILY AVAILABLE from

POTTER & CLARKE LTD.

60-64 Artillery Lane, LONDON, E.1
Telephone: BIShopsgate 4761

and 77 Dantzic Street, MANCHESTER, 4
Telephone: BLAckfriars 8734

Pin·up A PRODUCT THAT WILL MAKE YOUR PROFITS GROW

The arrival of the new Pin-Up Home Cold Perm Outfit has already shown thousands of chemists the way to a fresh source of profits. Pin-Up is the *big news* on the beauty counter because it offers:

to women
—a pre-tested luxury permanent wave at prices for everybody

to chemists—
a-sky's-the-limit new field of business at incomparably generous profit margins

RETAIL PRICES

Salon-type Outfit - **15/-** (inc tax)
(With re-usable plastic curlers)

Standard Outfit - **10/-** (inc tax)
(With flexible curlers)

Refill Outfit - - **7/6** (inc tax)
(With everything except the Pin-Up curlers)

"The British Home Perm for British Women"

PIN 9-10

Rocketing TO NEW RECORD SALES . . .

afe and certain, neat and hygienic, the Methedrine' Inhaler is bringing brisk usiness to chemists who put it on display. his is the only inhaler on the market ontaining *d*-N-Methylamphetamine; it ives immediate and prolonged relief in ead colds and nasal catarrh.

Attractively cartoned, the 'Methedrine' Inhaler is supplied in display-outers holding 24. A special bonus gives one *extra* inhaler with each display-outer ordered. Striking showcards are available. Retail price of the 'Methedrine' Inhaler: 2/- plus 6*d*. tax.

The 'Methedrine' BRAND Inhaler

for prompt relief of head colds and catarrh

BURROUGHS WELLCOME & CO. *(The Wellcome Foundation Ltd.)* LONDON

WARRICK BROTHERS, LTD.

Manufacturers of Fine Products
for the
Discriminating Pharmacist.

PASTILLES
LOZENGES
TABLETS
CAPSULES
OINTMENTS
PILE PREPARATIONS

You can always depend on the
high standard of quality
that is consistently maintained.

WARRICK BROS. LTD. NILE ST. LONDON, N.1.

The
CHEMIST AND DRUGGIST
for RETAILER—WHOLESALER—MANUFACTURER
MARCH 19, 1949
Published weekly at 28 Essex Street, Strand, London, W.C.2
Telephone: Central 6565 (10 lines). Telegrams: "Chemicus, Estrand, London."
gle copies 1/- each. Annual subscription, which includes The Chemist and Druggist Diary and Year Book, 30/-

No. 3604 Volume CLI

CONTENTS

An Endocrine Plant in Scotland ... 375
Births 359
Business Changes 358
C. & D. Dispensing Price List ... 373
Chemists' N.H.S. Accounts 361
Chromatography Discussed 371
Coming Events 384
Company News 358
Correspondence 379
Deaths 359
Editorial Articles:—
Patents Legislation Pending ... 369
Quest for Dollars, 1949 370
Blood Transfusion Service ... 370
Export Licensing Control 361
Guide to New Medicaments ... 374
Irish News 356
Legal Reports 362
Liverpool Centenary Dinner ... 373
Local News 354
Medical Abstracts 378
Miscellaneous Inquiries 379
News of the Week 353
Personalities 360
Pharmaceutical Society of Ireland ... 376
P.A.T.A. 365
Pharmaceutical Conference Grants 367
The Week in Parliament 360
Topical Reflections 357
Trade Marks 384
Trade Notes 364
Trade Report 380
Veterans Celebrate 366
Wholesalers' Dinner in Dublin ... 372

NEWS OF THE WEEK

Purchase Tax Decisions.—The Commissioners of Customs and Excise have ecided that friction lotions, friction tonics, riction shampoos, spirit shampoos or dry hampoos are liable to tax as follows:—a) Described as friction lotions, friction onics or friction shampoos: Group 32(b)), 100 per cent.; (b) described as spirit hampoos or dry shampoos, provided it as been shown, to the satisfaction of the Commissioners, that the preparations conain a reasonable proportion of a recogised detergent and have a cleansing ction: Group 32(b) (ii), 33⅓ per cent.

Photographic Society's Exhibition.—The Royal Photographic Society is to hold ts ninety-fourth annual exhibition of hotography in London in two parts as ollows:—Part 1 (pictorial and colour), eptember 9-October 2; part 2 (scientific, ature, medical, record, Press, commercial, ndustrial, technical and radiographic), October 8-October 26. Lantern slides, olour transparencies and stereoscopic exibits are to be on show during both parts. Entry forms may be obtained from the secretary of the Society, 16 Princes Gate, London, S.W.7; entries must be sent in by July 23.

N.H.S. Tribunal. — The Minister of Health has now set up the tribunal provided for under the National Health Service Act "for the purpose of inquiring into cases where representations are made that the continued inclusion of a person on the list of an Executive Council would be prejudicial to the efficiency of the service in which that person is participating." The chairman is Sir Reginald Taaffe Sharpe, K.C., and the other members are a medical practitioner, a dental practitioner, a pharmacist (Mr. G. H. M. Graham), an ophthalmic medical practitioner, an ophthalmic optician, a dispensing optician, and a representative appointed after consultation with the Association of Executive Councils. The clerk is Mr. R. B. Cooke, 5 Verulam Buildings, Gray's Inn, London, W.C.1.

January Drug Tariff. — The January 1949 Drug Tariff, copies of which are now being distributed to contractors, contains

in Part II, for the first time, the agreed dispensing fees payable on National Health Service prescriptions. Clause 11 of Part I authorises adjustment of the final price for commonly prescribed quantities of mixtures to the nearest halfpenny. Clause 17 allows payment (in addition to any out-of-pocket expenses) for the hire of equipment ordered for oxygen therapy.

Co-operative Chemists' Trading.—By October 2, 1948 (the end of the company's financial year), National Co-operative Chemists, Ltd., had established forty-two pharmacies. Annual sales amounted to £233,376, an increase of 58.6 per cent. on the previous year. During the last four weeks of the financial year (when all forty-two branches were operating), sales averaged £4,866 per week.

Container Controls Amended. — A new Order (S.I., 1949, No. 350) amending the Control of Containers and Packaging (No. 4) (General Order), 1945, came into operation on March 11. Its principal effects are:—(1) The restrictions affecting manufacture, marking and packaging are removed from metal containers and holders having a capacity of 1 gall. or more; (2) the restrictions affecting the marking of metal containers and holders now apply only to those made wholly of controlled materials; (3) the restrictions on packaging articles and commodities no longer apply to packaging in containers and holders made wholly of aluminium; (4) new marking provisions are laid down for metal containers and holders used for packaging articles for home distribution.

Retail Sales in January.—The Board of Trade puts the total weekly sales of chemists' wares by large-scale retailers in January, for Great Britain as a whole, at 5.5 per cent. above the previous month. Central London and the West End however, experienced a marked decline (7.8 per cent.) on January 1948, and a smaller decline (1 per cent.) was experienced in the north-western region. Increases (per cent.) in other areas were:—Scotland, 11.6; North-east, 8.3; Midlands and South Wales, 2.4; South of England, 4.4; suburban London, 2.8. Stocks over Great Britain fell by 7.8 per cent. compared with a year earlier. The rise in weekly sales of independent chemist retailers amounted to 6 per cent. over the January 1948 figure In recent months sales of "independents" have been a little lower than the corresponding period a year before.

LOCAL NEWS

Wine Licence. — Ideal Chemists. Lt 3 High Street, Warmley, Bristol, have be granted a wine licence.

Work Started on Health Centre.—T Minister of Health (Mr. Aneurin Beva cut the first turf on the site of the Lond County Council's Woodberry Down heal centre, Stoke Newington (see *C. & I* January 29, p. 147), on March 16.

Cumberland Chemists Consider N.H. —Pharmacists from all parts of Cumbe land attended a meeting at Keswick r cently, organised by the Cumberla Pharmaceutical Committee, and address by Mr. T. Heseltine (a member of t Council of the Pharmaceutical Societ who spoke on National Health Servi matters. Mr. Heseltine expained the ne arrangements for the supply of surgic appliances and advised chemists to ready to give a complete service so so as they were called upon to do so.

Staff Dinner at Feltham. — At t annual staff dinner of E. Moss, Ltd., he at Feltham on March 9, the guests we received by Mr. Edgar Moss (who pr sided) and Mrs. Moss. "The Chairman

Mr. and Mrs. E. Moss welcome Miss J. Moss a Mrs. H. G. Moss.

was proposed by Mr. K. W. Richardso (secretary of the company). Mr. E. Mo replying. Mr. H. G. Moss (managin director) proposed "The Guests" an Messrs. H. Noble (deputy secretar National Pharmaceutical Union), G. A Pargiter, M.P., and L. Gibbs (chairma Feltham urban district council) respondec

Opposition to Bottle Deposits.—Intrc duced to the Carlisle Branch of th National Pharmaceutical Union on Marc 4 by Mr. J. Sharp (chairman) as "phar

acy's smiling Pooh Bah," Mr. T. Heselne (a member of the Executive), desbed the workings of the various National ealth Service councils and committees. e explained how a working party, of hich he was the chairman, was investigatg delays in pricing prescriptions. The n of the working party, he said, was to ntroduce pricing in full as soon as posble. Mr. Heseltine's opposition to a rent suggestion of the Ministry of Health at deposits should again be charged on ttles was fully supported by members esent at the meeting. In reply to questns, he said that chemists would help th the pricing offices and themselves by lly endorsing prescriptions when there s any point in doubt.

Vice-president Visits Blackpool.—On s third visit to the Blackpool Branch of e Pharmaceutical Society recently. Mr. F. McNeal (vice-president of the ociety) was welcomed by Mr. F. J. arter (branch chairman). After he had dorsed an appeal for the Benevolent und made by Mr. Carter, Mr. McNeal ent on to review the recent activities of e Society's Council. Completion of the runswick Square building had proved bond the financial resources of the Society, e said, and negotiations with the Uniersity of London to take over the buildg had become necessary. He thought e creation of a new qualification for harmaceutical technicians would present many difficulties. Health centres at present being planned would not, it appeared, contain pharmaceutical departments, but local pharmacists should watch developments and be ready to make any necessary representations through their local organisations. Mr. McNeal concluded by saying that the trend of pharmacy in 1949 was undoubtedly for the better: each individual pharmacist must uphold and encourage a professional outlook.

Pharmacy's "New Era."—"Pharmacy—the New Era" was the title of a talk given to the Reigate and Redhill Branch of the Pharmaceutical Society at Reigate on February 22 by Mr. T. Reid (a member of Council). After twelve months' work in the National Health Service, said Mr. Reid, a pharmacist might have received only eight months' payments, but delays in payment would eventually be overcome. Pharmacists were at last doing the work for which they had been trained. In face of the present labour situation, Mr. Reid thought a two-year final course of training in pharmacy was adequate, but he supported a three-year course as a long-term policy. Unqualified staff, if properly trained, could be a great asset in a pharmacy. Mr. T. H. Cale, Horsham, urged that prescriptions should be received from and handed out to a patient by the proprietor or his qualified assistant. A vote of thanks to Mr. Reid was proposed by Mr. S. W. Hawkins.

OLFERS' DINNER AT NEWCASTLE.—The annual presentation dinner of the Northumberland and Durham Chemists' Golfing Society was held at Newcastle-on-Tyne on February 23. About sixty-five members, friends, and representatives of companies that had donated trophies for the 1948 season were resent. After the dinner, trophies and replicas won during 1948 were presented to the winners by Mr. . Bradbeal (retiring captain) and prizes won during the evening by Mr. A. Hall (retiring chairman).

IRISH NEWS

Recently Opened Pharmacies.—New pharmacies have been opened recently by Mr. Patrick J. Foley, L.P.S.I., at Lower Bridge Street, Killorglin, co. Kerry; by Miss Josephine M. Clavin, L.P.S.I., at Galteemore Road, Crumlin, Dublin; by Mr. Kevin O'Shaughnessy, L.P.S.I., at Achill Sound, Westport, co. Mayo; and by Miss Kathleen McCarthy, L.P.S.I., at 67 Caledon Road, East Road, Dublin.

Belfast Antibiotics Lecture. — Dr. George Brownlee (Wellcome Research Laboratories) lectured on "Antibiotics Today" to members of the Pharmaceutical Society of Northern Ireland at a meeting in Belfast on March 9. The president of the Society (Mr. H. H. Cowzer) was unable to be present and the chair was taken by Mr. P. R. W. Shinner (vice-president). A vote of thanks to Dr. Brownlee was moved by Messrs. A. T. Hardy and H. W. Gamble.

Ulster Chemists' Association. — Miss C. E. Culbert (president) was in the chair at the March meeting of the executive committee of the Ulster Chemists' Association, held in Belfast. A vote of sympathy was passed with the widow and relatives of the late Mr. S. Hutchinson, Belfast. The secretary (Miss A. E. Strachan) reported that the Ministry of Food had agreed to issue soap credits to chemists opening new pharmacies; application should be made to the nearest local Food Office. Waddell & Mallie, Ltd., pharmaceutical chemists, Poyntzpass, were elected members. The following (approved at a previous meeting of the associates' committee) were elected to associate membership:—Mr. J. S. Maguire (assistant); Miss E. J. Smith and Mr. R. Graham (apprentices).

Dublin Students' Activities. — Recent activities of the Irish Pharmaceutical Students' Association have included a lecture by Mr. J. T. Marsh, M.P.S. (Glaxo Laboratories, Ltd.) entitled "Penicillin—A General Review." Those present included Mr. T. B. O'Sullivan (a member of the Council of the Pharmaceutical Society of Ireland) and Mr. D. McKechnie (Glaxo Laboratories, Ltd.). A special meeting of students was held in February in connection with the January Licence examination results. Mr. John F. O'Grady (chairman) reported on a conference between members of the Association's Council and the officers of the Pharmaceutical Society of Ireland. Resolutions wer passed calling for greater protection fc apprentices, and for improved courses c study "more in keeping with the presen day overseas pharmacy courses." At th end of February an illustrated tall "Modern Trends in Vitamin Therapy, was given by Dr. F. Wrigley (Roche Prc ducts, Ltd.). An illustrated lecture o "Ergot and Ergot Alkaloids" is to b given by Dr. W. Bladergroen (Sando Ltd., Basle), in the Dixon Memorial Hal Trinity College, Dublin, on April 26. Th first of a series of dances intended to rais funds for the Association is to be held i Dublin, on March 31.

Cost of N.I. Pharmaceutical Service.— Prescriptions dispensed under the Healt Service by chemists in Northern Irelan in January totalled over 370,000 and co about £90,000 it was stated in the Norther Ireland House of Commons on Marc 8, when a supplementary estimate fc £246,000 (required to meet the extr payments to pharmaceutical chemists an others providing drugs and appliances) wa introduced. The original estimate wa £320,000. Captain T. O'Neill (Parlia mentary Secretary of the Ministry c Health and Local Government) said tha as with the fees payable to dentists, th terms under which chemists were to b remunerated for their services had not bee fully determined when the origin estimate was framed. In recent yea there had been a steady and substanti increase in the cost of drugs and appl ances, and the cost of extending th scheme to include all members of th community could not be forecast with an degree of accuracy. It was not surprisin therefore, that the number and cost c prescriptions issued by doctors ha exceeded expectations. The Januar figures were the latest available; if the continued at the same level, payment i respect of prescriptions dispensed in a fu year would exceed £1 million. A docto providing general medical services was ex pected, said Captain O'Neill, to prescrib proper and sufficient drugs, medicines an appliances for his patients, but must b prepared to justify to a committee c his professional colleagues any prescrip tions issued by him. Mr. H. Diamon said chemists were dissatisfied with the remuneration, and asked the Minister t give further consideration to their wishes it would be serious if chemists decided nc to operate the scheme.

TOPICAL REFLECTIONS

Mathematics in Pharmacy

Your report of the March meeting of the Pharmaceutical Society's Council (p. 339) shows that there has been a difference of opinion in the Education Committee regarding the mathematics to be specified for students preparing for the Society's Pharmaceutical Chemist examination. The chairman of the Committee stated that three of the subcommittees preparing a report on the syllabus considered matriculation standard high enough, while the pharmaceutical chemistry subcommittee desired a higher standard. Eventually it was understood that the last-named body could arrange for teaching up to that higher standard. Unfortunately this decision involved the withdrawal of a notice of intention to include mathematics in the Society's Intermediate examination. That notice, printed on p. 4 of "Regulations Affecting the Examinations of the Pharmaceutical Society and the Curriculum Connected Therewith" (approved on May 27, 1948), thus becomes invalid. Though prepared to accept the majority verdict that matriculation standard in mathematics is high enough for the purpose of qualifying as a pharmaceutical chemist, I must express regret that the matter was not dealt with sooner. The importance of mathematics in physics and physical chemistry is so great that it is wise to be on the safe side in preparing curricula, so that students of average ability are not halted by mathematical insufficiency at any stage. There is a further consideration. Not only are the examinations of the Pharmaceutical Society of Northern Ireland kept in close relation with those of the Pharmaceutical Society of Great Britain, but the syllabuses of the latter are no doubt studied by pharmaceutical societies in the Dominions, the Colonies, and the United States.

The Spelling of English

On the day when your issue arrived last week, the House of Commons debated and rejected a private member's Bill for what was called spelling reform. The spelling of our language is a subject that comes home to most of us occasionally in writing an unfamiliar word; and it is not only the vagaries of scientific terminology that are in question. As might have been expected, reports of the debate indicate, in the main, a light-hearted exchange of pleasantries, with quotations from Mr. Bernard Shaw. The alphabet of forty letters now desired by Mr. Shaw can be obtained, he suggests, by turning fourteen English letters upside down or by borrowing from the Greek alphabet. For several centuries past proposals for the "reform" of spelling have been made: it is therefore only too obvious that the subject cannot be adequately discussed in a single paragraph. I may mention, however, that in Holland a simplification of certain spellings came into force recently—by official decree, I believe. About the middle of last year a correspondent sent me an issue of a Dutch newspaper, the proprietors of which had refused to acknowledge the new style. It may be inferred that any attempt to enforce changes in spelling in the United Kingdom would be met by similar resistance, leading to confusion. Already a few authors and editors have "pet" spellings.

The Royal Institution

Your report of the hundred-and-fiftieth anniversary of the Royal Institution (p. 329) records an event of exceptional importance. The value of the Institution to British science can only be estimated: it cannot be measured. The lectures delivered under its auspices have brought to countless hearers, by easy stages, a realisation of the value of science as a factor in culture. Sir Benjamin Thompson, who obtained on the Continent and was allowed to use in this country the title of Count Rumford, was best known to his contemporaries as a pioneer in dealing with smoky chimneys: students of Jane Austen may remember that "a Rumford" was a domestic innovation noted in one of her novels. Sir Joseph Banks, president of the Royal Society, was among the well-known people who had this inventor's fireplaces installed. Thompson had already presented the Society with £1,000 for the purchase of medals when, in 1799, he became the principal founder and the first secretary of the Royal Institution. Its lecture room was originally built to his design; a few years ago it was remodelled. Is there anywhere a hall with a more distinguished record? From Davy and Faraday to Dewar and Rutherford, almost every British scientist of note has expounded some discovery directly affecting mankind.

Xrayser

NEW COMPANIES

E. W. Richards (Chemists), Ltd. (P.C.).—Capital £1,000. To carry on the business of manufacturing, pharmaceutical and general chemists, etc. First directors are to be appointed. Solicitors: Ivor Evans & Benjamin, 143 Walter Road, Swansea.

A. E. Grimwade, Ltd. (P.C.).—Capital £2,000. To acquire the business of a chemist carried on by Hilda Grimwade at Colchester as "A. E. Grimwade." Hilda Grimwade and Elizabeth Grimwade, directors. R.O.: 68 North Hill, Colchester.

J. W. Perrin, Ltd. (P.C.).—Capital £6,000. To carry on the business of chemists, druggists, etc. Joel W. H. Perrin, Harriett L. Perrin, John W. Perrin, and John C. M. Gould, M.P.S., directors. R.O.: 3 The Square, Pangbourne, Berks.

Flamen, Ltd. (P.C.).—Capital £100. To carry on the business of distillers, refiners and blenders of essences and oils, makers of soap and toilet preparations, etc. First directors are to be appointed. R.O.: 167 Hammersmith Road, London, W.6.

Daniels, Lewis & Co., Ltd. (P.C).—Capital £1,000. To carry on the business of manufacturers of and dealers in powder puffs and toilet requisites, etc. Myer Daniel and Solomon Chernofsky, directors. Solicitors: Canter & Martin, 232 Bishopsgate, London, E.C.2.

Sim-Fin Products, Ltd. (P.C.).—Capital £2,500. To carry on the business of dealers in and manufacturers of goods for sale by chemists, druggists, and other retailers, etc. Edith M. L. Simm and Kathleen M. North, directors. R.O.: Harley House, 53 Hinckley Road, Leicester.

A. Mullholland & Co., Ltd. (P.C.).—Capital £4,000. To acquire the business of a chemist and druggist, carried on by Alexander Mullholland, M.P.S., at 6 Commerce Street, Elgin. Alexander Mullholland, Archibald Haldane, Mary Hope and Alexander S. Fraser, directors.

J. H. Shepherd & Son, Ltd. (P.C.).—Capital £2,000. To carry on the business of manufacturing, pharmaceutical and veterinary chemists and druggists, opticians, etc. Joseph H. Shepherd, M.P.S., and Wilfred H. Shepherd, directors. R.O.: High Street, Woodville, Derbyshire.

B. Graneek & Co. (Chemists), Ltd. (P.C.).—Capital £1,000. To carry on the business of chemists and druggists, opticians, etc. Barnet Graneek, Max Graneek, M.P.S., Zelda Graneek and Jack Graneek, M.P.S., directors. R.O.: 216 Stanley Road, Kirkdale, Liverpool.

Brownes The Chemists (Kingston), Ltd. (P.C.).—Capital £500. To carry on the business of wholesale and retail chemists and druggists, etc. Edwin N. Browne and Vera S. I. Browne, M.P.S., directors. R.O.: 15 High Street, Hampton Wick, Kingston-on-Thames.

Ramer Chemical Co., Ltd. (P.C.).—Capital £100. To acquire patents and any interests relating to the use, invention, manufacture, etc., of porous articles, especially sponges for toilet or other use, and insulating materials; chemists, etc. Reginald A. Boswell, director. Solicitors: Trower, Still & Keeling, 5 New Square, London, W.C.2.

E. Charpentier & Sons, Ltd. (P.C.).—Capita £500. To carry on the business of manufacture of and dealers in pharmaceutical, chemical an other preparations, oils, oleaginous and saponaceou substances, etc. First directors are to be appointec Solicitors: Lovell, White & King, 5 Thavies Ini London, E.C.1.

Harold Lever Co., of Great Britain, Lt (P.C.).—Capital £10,000. To carry on the busine of designers, patentees, importers and exporters o and dealers in complete toilet sets and compacts brushes, combs, cosmetics, etc. Albert W. Clem ents, John A. Hallwood, Herbert L. Smith an Stanley A. Spofforth, directors. R.O.: 10 Shelle Road, Worthing.

Aluplast (Merton), Ltd. (P.C.).—Capital £10c To carry on the business of manufacturers of an dealers in organic and inorganic chemical sub stances and products, synthetic plastics, phenoli condensation products, etc. Frederick W. Piddock and Reginald H. Corfield, directors. R.O. Trafalgar Works, Station Road, Merton Abbey London, S.W.19.

Company News

British Chemicals & Biologicals, Ltd.—Th board is unable to recommend a dividend on th ordinary stock for the year to June 30, 1948.

Fisons Ltd.—A final ordinary dividend is recom mended of 9½ per cent. making 12 per cent. fo the year ended June 30 (against 9 per cent. in th previous nine months).

Brotherton & Co., Ltd.—Lists opened an closed on March 11 for an offer for sale o 600,000 10s. ordinary shares at 20s. per share. Th offer was heavily oversubscribed.

Ascotts Pharmacies, Ltd.—Net profit, befor taxation, for the year ended September 30, 1948 amounted to £19,601, against £26,043. It is pro posed to pay arrears of dividends on the preferenc stock accrued to September 30, 1948 (£5,294) £5,752 is carried forward against £4,324 brought in

---

Bankruptcy. — R. F. Hedges, M.P.S., latel carrying on business at 127 Walton Street, Oxford Subject to a suspension of four months, the dis charge of the above debtor was granted whei application was made at Oxford recently. Th receiving order was made in 1945.

BUSINESS CHANGES

Camilatone, Ltd., point out that their presen address is Camilatone House, Edgware Road Welsh Harp, London, N.W.9.

Aldwych Chemicals, Ltd., has been adopted a the new title of Kingston Essence & Colour Co. Danes Inn House, 265 Strand, London, W.C.2.

Mr. J. Crook, M.P.S., has taken up his dutie at Singapore as representative for Evans Medica Supplies, Ltd., in China, Hong Kong and Siam.

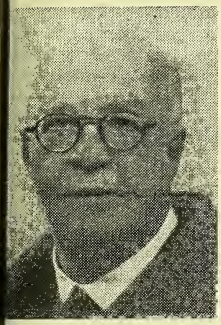
The Optrex Group of Companies has appointe Mr. W. R. Thompson, M.Sc., F.R.I.C., chie chemist in succession to Mr. C. E. M. Goodrick B.Sc., F.R.I.C. Mr. E. V. Welch, A.I.M.L.T. has been appointed bacteriologist.

BIRTH

O'Kane.—At Gravesend, Kent, on ebruary 15, Phyllis, the wife of Bernard . O'Kane, M.P.S., 133 Singlewell Road, ravesend, of a son.

DEATHS

Conyngham.—At his home, Reendesert, lackrock, county Dublin, on March 7, Mr. William Boulton Conyngham, aged seventy-two. Mr. Conyngham, a Dublin pharmacist who carried on business at Baggot Street, joined forces with the late Sir Thomas Robinson and the late Mr. William Hayes, as a founder of the largest Irish multiple pharmaceutical company: Hayes, Conyngham Robinson, Ltd. Mr. William B. Conyngham began his career with Parke, Davis & Co., London. In January 900 he qualified as a Licentiate of the Pharmaceutical Society of Ireland and or several years after qualifying served on he staff of the company. In 1908 he went o the United States to represent Bengers, td., in New York for a term of six ears. On the outbreak of the 1914-18 ar, he returned to Ireland, where he esumed his association with his father's ompany as a director. For the past hirty-five years he had been active in the usiness. Mr. Conyngham was a member f the boards of the Adelaide and Orthopædic Hospitals and Old Men's Home, Northbrook Road, Dublin. He was chairman to the Orthopædic Hospital in the ear it moved from the centre of Dublin to Clontarf. He served on the General Synod nd the Dublin Diocesan Council and was n active member of the Church's Missionary and Hibernian Bible Societies. Mr. Conyngham was a prominent member of he Masonic Order, and for many years n enthusiastic Rotarian. The funeral took place to Bantry, co. Cork. He is survived by his widow and two daughters. Dr. Mary A. Conyngham (now Mrs. H. R. T. Devlin), a Licentiate of the Pharmaceutical Society, and Miss C. F. M. Conyngham.



Polwart.—On February 28, Mr. Anthony S. L. Polwart, J.P., 16 Stewarton Road, Thornliebank, Glasgow, aged sixty-two. Mr. Polwart had been associated with the New Apothecaries Co., Ltd., Glasgow, for about forty years, and became a director and the secretary in 1934. He played a prominent part in local affairs and for a period was a parish councillor. He took a great interest also in the Methodist Church and was well known as a lay preacher. He is survived by a son and a daughter.

Rice.—At his home, St. Jude's, Frankfort Park, Dundrum, county Dublin, Mr. George T. Rice, managing director of Rice, Steele & Co., Ltd., manufacturing chemists, Dublin, from its foundation, aged forty-six. A native of Abbeydorney, Mr. Rice served a short period in the pharmacy of the late Mr. T. Costello, Drumcondra, Dublin, from which he entered the wholesale side of the business when he became warehouse manager of the Dublin Drug Co. On the formation of Rice, Steele & Co., Ltd., the first medicinal pastille and medicinal confectionery industry of importance to be established in Ireland, George Rice became its first managing director. A large pharmaceutical attendance at the obsequies included Messrs. P. C. Cahill and E. T. McCarron (directors of the company), members of the office and factory staffs including Mr. J. Gallagher (manager) and Messrs. T. P. Power and M. Daly (representatives). The Pharmaceutical Society was represented by its president (Mr. P. A. Brady), and the Irish Drug Association by its vice-president (Mr. David Woulfe). The attendance also included Messrs. G. C. O'Neill, F. X. Meagher, C. J. Cremen, Joseph O'Reilly, A. D. Davidson, R. White, M. Costello, F. H. Steele, J. P. Holland, W. H. Roche, Joseph McDonnell, Skerries; Frank McDonnell, T. J. Gleeson, P. F. McGrath, Malachi Leonard, Frank Roche, Dermot Thornton, J. D. Tooher, P. G. Redmond, John Costello, and J. K. Carville.

Toomey.—At the funeral of Mr. E. J. Toomey (see *C. & D.*, March 12, p. 327) the attendance included Messrs. Brendan R. Smith (secretary of the Irish Drug Association), J. J. Kerr (a former registrar of the Pharmaceutical Society of Ireland), I. C. Dawson (Ayrton, Saunders & Co., Ltd.), and J. Dodd (Wilcox, Jozeau & Co., Ltd.). Mr. Toomey qualified in 1905.

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

MR. A. R. HURD asked the Minister of Agriculture on March 7 if he was aware of a continuing shortage of fertilisers containing potash, and what steps he was taking to ensure that adequate supplies would be available for the spring sowing.

MR. TOM WILLIAMS: I am not aware of any serious shortage of potash fertilisers at present. During the first eight months of the current fertiliser year, greater supplies than ever before have been made available, and arrangements are being made for further imports in time for the spring sowing.

Purchase Tax on Drugs

SIR THOMAS MOORE asked the Chancellor of the Exchequer on March 8 whether he was aware that, under Customs and Excise Notice No. 78N, elaborate rules had been laid down as to the manner in which medicines and drugs must be packed if the contents were to be free of purchase tax, and whether he would revise the rules, since a person buying 100 aspirin tablets sold under a brand name was obliged to pay the full rate of tax, while a bottle of 150 of the same tablets obtained by means of a prescription from a medical practitioner was tax-free.

MR. ERNEST JAY (Economic Secretary to the Treasury): The exemption from purchase tax explained in Notice 78N meets a request made during discussion on the last Finance Bill that certain proprietary drugs should be freed from purchase tax when supplied on a doctor's prescription. The exemption was granted by the Purchase Tax (No. 1) Order, 1949, which has been before the House. That "senseless discrimination," to use a phrase adopted by the questioner in a supplementary question, had, he said, been decided on by the House. The suggestion actually came from the questioner's side of the House.

MR. OLIVER STANLEY: Is not the Economic Secretary fully aware that, from this side of the House, we protested against the whole system of the tax being levied on these medical articles merely because they were proprietary, and we asked that the tax should depend entirely on whether, in fact, they were essential for health purposes.

MR. JAY: This is a provision by which certain proprietary articles are exempted—therefore it goes in the direction which Mr. Stanley and his supporters would advocate.

MR. STANLEY: Would it not now be better to go all the way in that direction?

DR. S. SEGAL: If these medicines are bought under prescriptions from a general medical practitioner, ought not the brand name to be obliterated?

MR. PHILIPS PRICE, who asked the Chancellor of the Exchequer on March 9 what was the present estimated annual revenue from purchase tax on medicines and drugs after allowing for the effect of purchase tax orders that amended the Finance Act 1948, was given the figure of £9 millions.

PERSONALITIES

SIR CHARLES DARWIN, F.R.S., has retired from the directorship of the National Physical Laboratory, Teddington.

SIR ALFRED EGERTON (a former Physical Secretary of the Royal Society) has been elected president of the chemistry section of the British Association.

PROFESSOR R. G. W. NORRISH (professor of physical chemistry, University of Cambridge) is lecturing for the British Council in France, March 20-27.

MESSRS. BRYN ROBERTS and A. GORMAN have been appointed by the Minister of Health to be members of the board of Governors of the Moorfields, Westminster and Central Eye Hospital.

PROFESSOR R. A. PETERS, M.C., F.R.S. (Whitley professor of biochemistry in the University of Oxford) has left England for a lecture tour of Italy. His lectures will deal with, among other subjects, the use of BAL in arsenical poisoning.

SIR ROBERT SINCLAIR, K.C.B., K.B.E., deputy president of the Federation of British Industries, has been nominated *President* of the Federation. Among his many offices, Sir Robert is pro-chancellor and chairman of the Council, Bristol University.

MR. NEIL CAMPBELL, D.Sc., Ph.D., who addressed an evening meeting of the Scottish Department of the Pharmaceutical Society recently (see p. 371), is a lecturer in organic chemistry at Edinburgh University. Dr. Campbell graduated at Edinburgh and was awarded his Ph.D. in 1930, and his D.Sc. in 1941. An authority on organic chemistry, he has been responsible for recent editions of "Schmidt's Organic Chemistry."

EXPORT LICENSING CONTROL

CHANGES in export licensing control are made by a Board of Trade Order (S.I. 1949, No. 384) which came into operation on March 16. Among goods that no longer require export licences are certain colouring matters and flavouring essences, essential oils, soap substitutes and ethyl acetate. Details of the changes are given below:—

Group 1.—Deletions: Colouring matter, flavouring essences and other materials, wholly or partly of sugar, molasses, glucose or caramel, of a kind used in the manufacture of edible or potable products.

Group 3.—Deletions: Preparations, products and substances (whether or not exported as substitutes for soap) in respect of which there are in force licences granted by or on behalf of the Minister of Food under the Soap Substitutes (Labelling and Prices) Order 1943 (e). Products of the sulphation (sulphonation) of aliphatic alcohols and aliphatic hydrocarbons, salts of such products, and mixtures (other than medicinal preparations, insecticides, fungicides, weedkillers, animal dips and disinfectants) containing any of the foregoing. Soapless shampoos. The following essential oils: Bergamot; birch tar; cedarwood; cloves; grapefruit; lemon: mandarin (tangerine); orange; pimento leaf; sandalwood; shiu (ho). Certain paints, varnishes, etc., are among the exceptions.

Group 13 (1).—Deletion: The item ethyl acetate.

Second Schedule.—Additions: Colouring matter and flavouring essences (other than caramel and synthetic organic dyestuffs) of a kind used in the manufacture of edible or potable products.

Deletion: Soapless shampoos made up and packed ready for retail sale; soapless shaving creams.

CHEMISTS' N.H.S. ACCOUNTS

THE Ministry of Health has agreed that for chemists' accounts from January, the following particulars are to be furnished by Executive Councils:—(a) Total number of prescriptions for which payment is made, excluding a stated number of prescriptions referred back to the chemist; (b) total of ingredient costs; (c) total fees; (d) container allowance at the rate of 2½d. for each prescription (not payable to firms under contract for the supply of appliances only); (e) rota payments; (f) any deduction for Pharmaceutical Committee allotment or other reason. Pricing bureaux will not provide other details (such as the number and value of prescriptions in particular sections of the chemist's bundle), nor will they state which of the four weekly bundles of prescriptions costing under 2s. 6d. net was selected for full pricing. Payment on account will continue to be made not later than the twenty-first day of the month following that in which the prescriptions were written to those chemists only who send claim card E.C.38 with their bundle to the bureau. Payment on account (not made to firms under contract for the supply of appliances only) will continue to be made at the rate of 80 per cent. of the chemist's average total cost per prescription (including container allowance) for July or October 1948 until certified statements have been received from the bureau on Form E.C.47(a) for January prescriptions. The Council will then calculate for each chemist, from column 10 of the form, the average total cost per prescription: 80 per cent. of the average total cost per prescription will then be calculated and rounded up or down to the nearest penny. Until further notice advance payment will be made on the figure so ascertained unless the value is below 1s. 10d., in which case advance payment will be made at 1s. 10d. per prescription. A circular to Executive Councils and pricing bureaux says the Minister considers it important that payments to chemists should be made promptly. The Chemist Contractors' Committee has agreed with the Ministry of Health that only "urgent" prescriptions dispensed after the close of contract and rota service hours are to be endorsed with the hour of dispensing and included in bundle "S" (unless they qualify for inclusion in that bundle on some other ground). To assist chemists in preparing the monthly bundles, six sheets of green labels (E.C.46) each numbered "S," 1, 2, 3 and 4 (with one un-numbered label for emergency use) are being issued for affixing to bundles for the half year from March onwards.

Executive Council Staffs. — Executive Councils have been asked to furnish to the Minister of Health particulars of the staff in their employ on March 25.

LEGAL REPORTS

Medicine Contrary to Patient's Wish.—In a reserved judgment at Salisbury County Court recently (see *C. & D.*, March 5, p. 297), Dr. Walter James Drummond, Harcourt Terrace, Salisbury, was awarded £17 6s. 8d. from Mrs. Isobel Audrey Kent, Clovelly Hotel, Salisbury, for professional services. Mrs. Kent, who counter-claimed for £500 damages and £101 special damages, was awarded £10 10s., with costs. She alleged that she had been detained in a nursing home for eighteen weeks instead of only a few days, as expected, and that she had been given considerable doses of phenobarbitone against her wishes. The judge said that a doctor, if he continued the treatment and secretly administered the drug, committed a breach of contract, and Mrs. Kent had established a breach of contract which must entitle her to at least nominal damages.

N.I. Jury Stops a Case.—When William McAllister, Short Strand, Belfast, was charged at co. Down Assizes on March 8 with obtaining £3 from a grocer by falsely pretending that three gross of headache powders sold to him contained penicillin (*C. & D.*, February 12, p. 200), the jury stopped the case and returned a verdict of not guilty. A public analyst who had examined one of the powders said it did not contain penicillin; he agreed that the powders would not be harmful if taken in the ordinary way. The grocer, Samuel Kettle, Comber Road, Dundonald, said that, when selling the powders, McAllister had claimed to represent the manufacturers and had added "You have heard of the valuable medicine penicillin? These are the genuine article and Penicil is the short name." The retail price of the powders was 2½d. per packet. McAllister, in evidence, denied ever using the word penicillin.

Fines Instead of Prison.—Before Salford Hundred Appeals Committee, Manchester, on March 11, Mrs. M. P. Plunkett, wife of a doctor, Worsley Road, Swinton, appealed against sentences of six months' imprisonment (see *C. & D.*, February 26, p. 262) for being in possession of opium and three months for nineteen offences of procuring drugs. The sentences were replaced by fines of £25 for possessing the opium and £4 on each of the other summonses—a total of £101. Mrs. Plunkett claimed she had not touched opium since she appeared before the magistrates in November 1948 and tha she had now no craving for drugs, and he counsel suggested his client had suffere great anxiety as a result of bereavement The chairman of the committee said th circumstances had not been presented full to the magistrate. In view of this an the fact that she had now regained cor trol of herself the appeal would be allowe each side to pay its own costs.

Injunction Granted Upon Appeal.—An appeal against what they considered a inadequate relief granted to them by M Justice Harman on May 14, 1948, wa brought by Wright, Layman & Umne Ltd., London, in the Court of Appeal o March 9. They had been refused an ir junction restraining Mr. William Frederic Thomas Wright, trading as Wright Chemical Co., Victoria Road, Surbitor from carrying on business under any nam or title of which "Wright" or "Wright's formed part, although the judge ha granted one restraining Mr. Wright fro applying to pharmaceutical and toile goods not of the appellants' manufactur the name "Wright" or "Wright's" with out clearly distinguishing such goods fro the appellants'. The claim of the appel ants at the appeal was for injunctior under both heads. They said that M Wright was competing with them in th wholesale trade, and that, by usin "Wright" or "Wright's," he had cause and could cause, misunderstanding an confusion in the trade. For Mr. Wrigh it was pointed out that he disputed th judge's finding that the name "Wright or "Wright's" was distinctive of the ap pellant company's goods. He submitte that in the trade they were known a "Wright, Layman," and that nobod was going to be deceived by what M Wright was doing. Merely because th appellant company were first in the fiel the fact that the two names sometim caused confusion had no significance unle the name "Wright" had required secondary meaning in the trade. Th Master of the Rolls in his judgment, sai that in his view the appellant compan had obtained for themselves the benef of the name "Wright" as distinctive themselves and their goods. By a cros appeal Mr. Wright asked that he shoul be restrained only from passing off pha maceutical or toilet goods as "Wright's without making the distinction in questio

he cross-appeal failed. As to the main ppeal, his lordship said Mr. Justice Harlan seemed to have been illogical in not anting the injunction asked for, as the cts he (the judge) found seemed to call r it. The appeal must be allowed. His rdship added that he assumed, as the dge had found, that Mr. Wright was an onest man. Justices Somervell and Evered agreed. The cross-appeal was dissed with costs.

Doctor's Car as "Locked Receptacle."—Before the Birmingham stipendiary on Iarch 11, Dr. Dhulipali Kameswara Rao, hose surgery is in Queen's Road, Smethick, pleaded not guilty to infringing a quirement under the Dangerous Drugs egulations 1937, as amended in January 949, that Dangerous Drugs shall be kept a locked receptacle. The case is beeved to be the first of its kind in the untry. Defending counsel was instructed y the Medical Protection Society, Ltd., in iew of the interest of the case to the edical profession generally. The prosecuon submitted that, if it were proved that e regulation had been broken, then the nus passed to the defence to prove that e necessities of practice were such as to xclude the doctor concerned from their rovisions. On January 9, Dr. Rao was old by a police-constable that, while the octor had been in a cinema, his car had een stolen from a municipal car park in irmingham, where it had been left cked. The doctor said that inside the ar was a leather bag containing medical nstruments; he said nothing about Danerous Drugs being in the car. At 12.30 .m. next day the car was found abanoned at Walsall. When the car was aken to police headquarters at Walsall, t was found that on the rear seat was an pen leather case containing a large quanity of medical supplies, including Dangerus Drugs. The off-side front door of the ar was somewhat stiff, and would not ock properly, the other three doors were pen—but the prosecution would not disute Dr. Rao's word that he had left the ar locked. Asked why he had left the drugs n an unlocked receptacle (the leather bag), Dr. Rao replied that he had locked the ar and thought that was safe enough—"I did not know the law had been ltered," he added. The prosecution ontended that a motor-car was not a eceptacle within the meaning of the egulations, quoting Oxford Dictionary efinitions of both a motor-car and a receptacle. The regulations provided that the receptacle must not be capable of being opened by "any unauthorised person," yet the leather bag was not locked and the car itself, a standard model with a lock to which many people might have keys, was opened by an unauthorised person. Dr. Rao told the stipendiary that the lock was special to his individual car. Since recovering his car he had found that the handle had been forced; a new lock had had to be fitted. The defence contended that the case involved an important point of law and disputed the prosecution's submission that a car was not a receptacle. If that view were held, it was urged, then an offence would be committed if drugs were left in an unlocked case in a locked cupboard or a locked surgery. Surely the principle was that the drugs should be kept under lock and key—and that had been complied with. It was further argued that Dr. Rao was acting in accordance with the necessities of his profession. The stipendiary said that in his opinion a locked car was not a receptacle within the meaning of the words used in paragraph 4 (2) of the Dangerous Drugs Regulations, 1948. He found Dr. Rao guilty and imposed a fine of £5. He agreed that a case should be stated.

Summons Dismissed.—At North London magistrates' court recently, Isaac Furst, chemist, Blackstock Road, Finsbury Park, London, E.4, pleaded guilty to a charge of having obtained in the course of his business soap in excess of the quantity specified in his deposit slip. A second summons, to which he pleaded not guilty, alleging that, when furnishing information for the purposes of the Soap (Licensing of Manufacturers and Rationing) Order, he had made a statement which he knew to be false in a material particular, was withdrawn. For the Islington Food Control Committee prosecuting solicitor said that the defendant ordered soap to the value of 1,272 points, an excess of 579 points. He cancelled orders representing 240 points when the matter was brought to his notice. Defending counsel said that Mr. Furst came to this country in 1900, and was naturalised in 1924. Since that time he had been in business as a chemist. He had never been charged with any offence of any kind before. The offence was a genuine mistake, and one that must have come to light when the forms were checked by the food office. The summons was dismissed.

TRADE NOTES

Again Available.—M. R. Chemical Products, Ltd., Northgate House, 20 Moorgate, London, E.C.2, state that supplies of Romos-Tegin emulsifier are again available.

Showcard.—Edwards Harlene, Ltd., 58 Gough Street, London, W.C.1, have produced a new metallic showcard in full colour (as illustrated) for Edward's Harlene.

Vacuum Flasks. Vacco Sales, Ltd., 55 Pall Mall, London, S.W.1, invite direct retail and export inquiries for Vacco vacuum flasks, which are illustrated and described on another page of this issue.

A Matter of pH.—Ortho Pharmaceutical, Ltd., Lane End, High Wycombe, Bucks, state that their product Aci-jel is correctly described as a buffered acid jelly for the maintenance of vaginal *p*H (*p*H4).

Now in Two Sizes.—Scott & Turner, Ltd., Newcastle-on-Tyne 2, announce that the 4-oz. tin of Andrews liver salt has been reintroduced after an interval of some years. The 8-oz. tin continues to be available.

Repellent, not Poison.—Scram Products, Ltd., Dartmouth Park Hill, London, N.W.5, point out that Scram mouse repellent contains no poisonous ingredient, and is entirely harmless both to children and to domestic pets.

Anti-alcohol Treatment. — Savory & Moore, Ltd., 60 Welbeck Street, London, W.1, announce that they have secured a licence to import Antabuse (tetraethylthiuram disulphide) (see p. 378), and that a small supply will shortly be available.

Trade Discounts.—Sharp & Dohme, Ltd., Hoddesdon, Herts, announce that, on March 14, all items in their list became subject to a discount of 33⅓ per cent. to pharmacists in retail business. Copies of the company's new interim price list are available.

Improved Containers.—Arnold & Ley, Ltd., 15 Seething Lane, London, E.C.3, state that, in consequence of the removal of restrictions on fibreboard, their powdered gums (tragacanth, karaya and acacia) will in future be delivered in 1-cwt fibreboard drums, at no extra cost.

Advertising Campaign.—Thompson & Capper Wholesale, Ltd., Speke Hall Road, Liverpool, 19, announce that nearly sixty million advertisements for Mothaks will appear each month during the peak selling period of 1949. The campaign is the heaviest since the product was introduced over twenty years ago.

Distribution in Britain.—Woodhall Ltd., 14 Great Swan Alley, London, E.C.2, are distributors in Great Britain for the perfumery products of Parfums Godet, Paris.—The sole agent and distributor in Great Britain for Parfums le Galion is Richard Brett, 8 Meadow Way, Harrow Weald, Middlesex.

Specific Against Redwater Fever.—On another page in this issue attention is drawn to Babesan, a preparation manufactured by Imperial Chemical (Pharmaceuticals), Ltd., Manchester, and widely used by veterinary surgeons as a specific against piroplasmoses of domestic animals (for example, bovine redwater fever).

Price Reductions. — Roche Products Ltd., Broadwater Road, Welwyn Garden City, Herts, announce that, owing to increased demand for higher-strength Ephynal tablets, the prices of Ephynal tablets, 50-mgm., were reduced to the trade on March 16 and will be reduced to the public on April 16. Usual discounts apply.

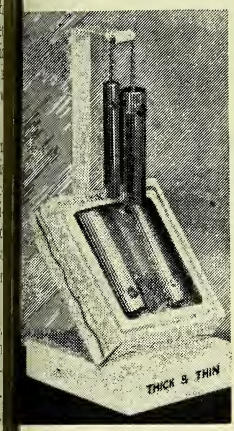
Pre-budget Orders.—Morny, Ltd., 22 Wadsworth Road, Perivale, Greenford, Middlesex, invite chemists to order during March, for delivery in April, their requirements of Morny perfumery, toilet preparations and bath luxuries other than soap, in order to meet the possibility of any change in purchase tax. Orders so received will, unless otherwise specified, be prepared for invoicing and dispatched as promptly as possible after the Budget announcement.

Salvage of Cartons. — The Board of Trade has issued an appeal to manufacturers to point out, when communicating with retailers that, although the return of cartons and cardboard containers is no longer a condition of acceptance of new orders, they should still be given over for salvage. The recent relaxation of paper licensing was made on the assumption that paper salvage would be increased

ther than decreased. Failure to obtain much waste paper as had been calcu-ted might involve cancellation of the esent arrangements.

Spring Exhibitions.—S. Maw, Son & ons, Ltd., Barnet, Herts, announce that hibitions of new and seasonal products e being staged by the company in the eek March 21-25 at the North-western otel, Llandudno, at Cups Hotel, High treet, Colchester, and at the Royal Hotel heltenham. Further exhibitions will be nnounced.

Companion Lipsticks.—Orders are now eing accepted by Goya, Ltd., 161 New Bond Street, London, W.1, for after-Easter delivery, of their newly introduced companion lipsticks Thick and Thin. The thick is a standard-size lipstick, glossy and smooth, and the thin has a fine point for outlining and is rather harder in texture. The two are packed in a window-carton, and showcard and display stand are available. Shades issued are mantilla, pink, Capri, seventeen, cherry, asque, and petunia, and refills will be btainable. A considerable advertising ampaign in the daily, Sunday and omen's Press has been booked.



Hormone Ester. — The British Drug Houses, Ltd., Graham Street, City Road, London, N.1, have introduced deoxycortone acetate, B.D.H., an ester of the principal hormone of the suprarenal cortex. The product is issued for parenteral administration in ampoules containing 5 mgm. in 1 mil (boxes of three, twelve and fifty), and for implantation in pellets containing 50, 100 or 200 mgm. (tubes of one pellet). It is not subject to tax.

Price Lists.—L. Light & Co., Ltd., Wraysbury, near Staines, Middlesex, have just issued a new price list, a copy of which will be forwarded to any chemist on request; the list contains about 1,200 items, including 500 chemicals new to the company's catalogue.—Gedeon Richter (Great Britain), Ltd., 14 Weedington Road, London, N.W.5, have issued a new twenty-eight page price list of their medical specialites.

Bonus Offers.—A bonus offer to purchasers of Yestamin daily yeast remains open until March 31. The product, manufactured by English Grains Co., Ltd., Shobnall Road, Burton-on-Trent, has recently been relabelled, and both sizes are now available in distinctive window- and counter-display packs.—A "biggest ever" bonus on Flit insecticidal spray is offered by the suppliers, Stemco, Ltd., 128 Albert Street, Camden Town, London, N.W.1. A list of prices and sizes is given on another page.

Proprietary Articles Trade Association

Alterations to Protected List (Part 1).—*Bayer Products, Ltd.*, Codalgin tablets: From March 1 until May 31 retailers will receive a bonus of fourteen to the doz. on orders for a minimum quantity of six doz. in return for counter display.

Additions to List (Part 2).—*Pin-Up Cold Perm-Wave, Ltd.*, Pin-Up home cold-perm outfits, Standard, 48s. doz., tax 100 per cent., inclusive retail price 10s.; refill, 36s. doz., tax 100 per cent., i.r.p. 7s. 6d.

Rimmel Distributors, Ltd., Beauty cake, small refill, 13s. doz., tax 100 per cent., i.r.p. 2s. 9d.; lipstick, 36s. doz., tax 100 per cent., i.r.p. 7s. 6d.; Lip-Fashion pencil, 36s. doz., tax 100 per cent., i.r.p. 7s. 6d.; refill, 16s. 9d. doz., tax 100 per cent., i.r.p. 3s. 6d.; eyebrow pencil, 9s. 6d. doz., tax 100 per cent., i.r.p. 1s. 11d.; nail-white pencil, 9s. 6d. doz., tax 100 per cent., i.r.p. 1s. 11d.; Cologne Anglais, 2-oz., 31s. 6d. doz., tax 100 per cent., i.r.p. 6s. 9d.; 4-oz., 55s. doz., tax 100 per cent., i.r.p. 11s. 6d.; 8-oz., 88s. doz., tax 100 per cent., i.r.p. 18s. 6d.; Cologne Royale, 2-oz., 48s. doz., tax 100 per cent., i.r.p. 10s.; 4-oz., 81s. doz., tax 100 per cent., i.r.p. 17s. 6d.; 8-oz., 144s. doz., tax 100 per cent., i.r.p. 30s.; French lavender, 2-oz., 36s. doz., tax 100 per cent., i.r.p. 7s. 6d.; 4-oz., 60s. doz., tax 100 per cent., i.r.p. 12s. 6d.; 8-oz., 108s. doz., tax 100 per cent., i.r.p. 22s. 6d.; French floral perfume, 48s. doz., tax 100 per cent., i.r.p. 10s.; 16s. 9d. doz., tax 100 per cent., i.r.p. 3s. 6d.; French perfume, dipper bottle, 36s. doz., tax 100 per cent., i.r.p. 7s. 6d.; soap Royale, 3-oz., 9s. 9d. doz., tax 33⅓ per cent., i.r.p. 1s. 4½d.; artist brush (for compact), 10s. doz., 1s. 3d. (exempt); with plastic handle, 15s. doz., tax 33⅓ per cent., i.r.p. 2s. 3d.

Alterations to List (Part 2).—*Bleasdale, Ltd.*, Increased prices, Minaret ballroom floor-polish, 14s. doz., 1s. 9d. (exempt).

Deletions from List (Part 1).—*Allen & Hanburys, Ltd.*, Caloplast; rutin tablets; Torch brand confection of senna.

Brontan, Ltd., Brontalene eye-lotion.

Genatosan, Ltd., Genabrom sedative.

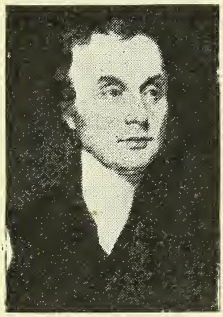
Glain Industries, Glain tablets; boil pilules and liver pills.

Southern Utilities, Ltd., Anaemax.

VETERANS CELEBRATE

Howards & Sons, Ltd., Ilford, give dinner to long-service employees

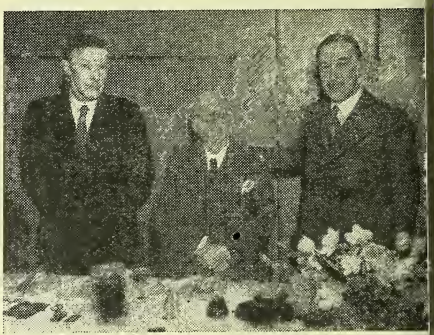
A "Veterans' Dinner" in London on Friday, March 11, given by Howards & Sons, Ltd., Ilford, was attended by no less than 193 members of the staff, past and present, who have completed twenty-five years' service with the company. Mr. Geoffrey E. Howard (chairman) welcomed the guests and said he was a profound believer in private enterprise, of which he thought "Howards" was a good example. For over 150 years, from the time Mr. Luke Howard, F.R.S., founded the company in 1797, each generation of the family had been devoted to its welfare. The company had made remarkable progress, and looked forward with confidence to further developments in the future. The employees were the directors' friends, and their loyalty was bound up in the long history and success of the company. With the directors in the lead they had worked to hand on the torch from each generation to the next.



Luke Howard, F.R.S.

Oldest Pensioner

The speaker said that Mr. Alfred G. Howard, a member of the board, regretted he could not be present and sent a telegram of greetings. Mr. Alfred was eighty-eight years of age and had been connected with the company for sixty-nine years. They had with them on that memorabl occasion, he continued, their oldest per sioner, in the person of Mr. George Hire son, now in his 96th year. Mr. Hiresor who started as a van boy with the firm i 1866 and had fifty-eight years' service t his credit, was born on Howards' premises He frequently talked with Mr. Luk Howard, and had known every member o the Howard family over the past 150 years which, said the speaker, is almost certai to be a record in industry. Amongst the many achievements of Mr. Hireson were unbroken attendance at seventy-five annual sporting meetings of the company, fifty-five years as a carpenter, thirty-five years with the Essex artillery, and a chorister for over fifty years.



Mr. Bernard Howard, Mr. George Hireson (oldest pensioner) and Mr. Geoffrey Howard (chairman).

Mr. Hireson, who was received with musical honours, said he had spent a happy life with the company and he was still "not out." He thanked the chairman and

Veterans at the company's celebration dinner, March 11.

is friends for the kind way in which they had received him.

In proposing the toast of "The Veterans," LIEUTENANT-COLONEL H. LLOYD HOWARD, M.C., T.D., said their guests represented 1,544 years of service with the company. It was a notable fact that of their total staff of 689 nearly one-quarter had over twenty-five years' service to their credit. In addition there were nearly forty retired pensioners, including their oldest veteran, Mr. George Hireson, Mr. J. Froud, who is eighty-eight and several over eighty. The spirit of loyalty and friendship between the directors and all members of the staff, on which the company had thrived and developed, was as alive today as it was over 100 years ago. The response was given by MR. JAMES FROUD, who thanked the directors for their generous treatment of those who had served them in the past, and by MR. E. J. FLEETWOOD, who said that personality and character with a rigid code of principles were the example set by the directors which the staff endeavoured to follow. MR. S. H. HELLIAR proposed the toast of "The Firm," and referred to happy recollections of the past thirty-five years. He said the directors were assured of the esteem and affection of the staff. Mr. Geoffrey E. Howard responded and thanked the staff for their co-operation.

PHARMACEUTICAL CONFERENCE GRANTS

THE secretaries of the British Pharmaceutical Conference have issued the following statement on grants to Conference members:

The Council of the Pharmaceutical Society has again generously placed at the disposal of the British Pharmaceutical Conference Executive the sum of £500 to be used to further the work of the Conference during 1949. The Executive has decided to use this money to encourage young pharmacists and research workers to attend the meeting of the Conference, which will be held at Blackpool, September 12-16, by offering a number of grants consisting of one full book of Conference tickets and the cost of one third-class return railway ticket to Blackpool from the station nearest the applicant's usual residence. These grants will be available to pharmacists and other members of the British Pharmaceutical Conference (other than student-associates) who are under thirty years of age on the day of the opening session (September 12). In the case of applicants who served in the armed forces during the recent war, the age limit will be raised to allow for the period of such service. Members of the Conference who received a grant last year are not debarred from applying again provided they still comply with the conditions of the scheme. Applications for the grants are invited, and they should be sent to the Honorary General Secretaries, British Pharmaceutical Conference, 17 Bloomsbury Square, London, W.C.1. No application will be entertained if received after June 30. Applicants must state their name, date of birth, period of service in the armed forces during the war, the name of the railway station from which the ticket is required, and fare. A brief statement of the applicant's career, including qualifications and (in the case of pharmacists) the date of qualification, must also be given. Each application must be supported by a letter of recommendation from the secretary of the Branch of the Pharmaceutical Society to which the applicant belongs or the head of the pharmacy department of a college or school, or, in the case of a non-pharmacist, a responsible officer of the organisation in which he is employed. Persons who are not at present members of the British Pharmaceutical Conference may apply under the scheme, but any award made to such applicants will be subject to their being elected to membership before the Blackpool meeting. Every applicant will be advised of the result of his application as soon as possible after receipt so as to enable him to make any necessary holiday arrangements. Successful applicants must arrange their own accommodation. Details of what is available, together with a Conference programme, will be ready for distribution at an early date. Books of tickets and refunds of railway fares will be issued later.

New Customs Shipping Bill. — A new Customs Shipping Bill, No. 63 A (Sale), has been introduced for use where goods exported under licence are entered with the Customs before shipment solely by reason of export licensing requirements. Supplies of the new form may be obtained from H.M. Stationery Office or through the usual agents, but exporters and agents holding stocks of Shipping Bill No. 63 (Sale) specially over-printed for use in entering goods for shipment may continue to use these for a reasonable period.

JOHN BELL'S
TONIC-PHOSPHATES

THE PROVED TONIC WITH THE PLEASANT TASTE

You can confidently recommend John Bell's Tonic Phosphates for restoring aded appetite, and for dispelling depression and lassitude.

Attractive Display Material on request

Sizes	New Retail Price (including Pur. Tax)
4 ozs.	3/4
8 ozs.	5/9
16 ozs.	11/3

JOHN BELL, HILLS & LUCAS, LTD.

Oxford Works, Worsley Bridge Rd., London, S.E.26

CF

Metaldehyde

BRITISH MADE

SAFE SOLID FUEL
SLUG AND SNAIL KILLER

IN PACKETS, 1/3, 2/4 5/6

Obtainable from Chemists, Ironmongers and Seedsmen
Sole Concessionaires for the U.K. and Eire

H. R. NAPP LIMITED
3 & 4, Clements Inn London, W.C.2

AT YOUR SERVICE FOR
PROPRIETARY ARTICLES
PHARMACEUTICAL PREPS.
DRUGGISTS' SUNDRIES
DRESSINGS

N. & M. GOULD LTD.

Wholesale Chemists' and Druggists' Sundriesmen
62, 64, 66, STONEY LANE,
LONDON, E.C.3
BISHOPSGATE 7734, 5355 P.A.T.A.

CF

BURROUGH'S S.V.R.

60 gallons or less in 6 months requires no Control Licence.

James Burrough Ltd., 1 Gale Distillery, London, S.E.11

TRAGACANTH

SPECIALISTS IN B P. POWDER
SAMPLES AND PRICES ON REQUEST
FREUDENTHEIL, SMITH & CO., 16 Philpot Lane, LONDON, E.C.3
MANsion House 1924 & 6600 Estd. 1826

"The Wyrex 200"

RUBBER CUSHION HAIRBRUSH
NEW!! UNEXCELLED QUALITY
RETAIL PRICE 5/6 (inc. tax)
Now in Colours. Ask your wholesaler or enquire:
OAKFIELD & CO. AMERSHAM, BUCKS.

QUALITY LABELS

Manufacturing and Retail Chemists everywhere prove daily the selling value of Sessions Quality Labels. Why not you? Write for samples and prices to the specialists:

WM. SESSIONS LTD. . EBOR PRESS . YORK

STANNOXYL

The original preparation of tin and tin oxide for the treatment of Boils
TABLETS—Tubes of 80. Bottles of 500 and 1,000
THE ANGLO-FRENCH DRUG CO., LTD., LONDON, W.C.1

FENNINGS' P.A.T.A. OVER 80 YEARS REPUTATION
PREPARATIONS
ADVERTISED EVERYWHERE. READY SALES
ALFRED FENNINGS, HORSHAM, SUSSEX

INFORMATION WANTED

The Editor would appreciate information about suppliers of the following items:

Lee's absorbent cotton wool
Healskin
Permavite tablets

The CHEMIST AND DRUGGIST
RETAILER—WHOLESALER—MANUFACTURER
ESTABLISHED 1859
irculates throughout the Pharmaceutical, hemical, Drug, Essential Oil, Perfumery, osmetic, Toilet Preparation and allied rades and Industries in Great Britain, ire, British Empire, and foreign countries
fficial organ of The Pharmaceutical ociety of Ireland, The Pharmaceutical ociety of Northern Ireland, The Chemists' nd Druggists' Society of Ireland and of her Chemists' Societies in the Empire.
OL. CLI MARCH 19, 1949 No. 3604

Patents Legislation Pending

ALMOST simultaneous publication of the ext of a Patents and Designs Bill (to be resented in the House of Lords) and of a White Paper comprising a draft Patents ill and a draft Registered Designs Bill ay be taken to indicate that important hanges are imminent in a field in which revious substantial modifications were ected only so recently as 1946. In reality e new Bills are not in conflict with the 946 Act. All result directly or indirectly rom the work done by a Committee set p by the Board of Trade in 1944 to conider changes in the then existing Patents cts. The 1946 Act incorporated recommendations made in the Committee's First nterim Report. The present (House of Lords) Bill implements many of the recommendations made in the Committee's Second Interim and Final Reports, with "consequential and other" amendments. The White Paper Bills are in the nature of non-controversial measures consolidating the present legislation and the provisions put forward in the Patents and Designs Bill, 1949 (the House of Lords measure); it follows (a) that they cannot be passed until that Bill is on the Statute Book, but (b) that their passage can be virtually automatic thereafter.

Among important amendments proposed in the Patents and Designs Bill, 1949, is a provision that a patent may be applied for by an assignee of the inventor instead of necessarily by the inventor himself. This would obviate the possibility that an inventor who had assigned his patent might lose interest in its registration or might not be on hand to see it through. A new system of dating patents would be introduced under which the date of the patent would be the date of filing the complete specification, and not, as at present, the date of first application, either in Britain or in a country subscribing to the International Convention for the Protection of Industrial Property. A check against the grant of worthless patents is embodied in a provision that a patent grant may be opposed for the new reasons (a) that it has been previously used or (b) that it lacks subject matter. Power is taken to extend to new situations the present machinery for dealing with abuses. These new situations are: that the patent is not being fully exploited; that an export market is not being supplied; and that the working of another patent is being hindered by a refusal to grant a "licence of right." A provision valuable in removing doubts about possible infringements of a patent by a would-be manufacturer is a clause enabling him to obtain a declaratory judgment on the matter before committing himself to production. Powers to determine rights of employee inventors are given to the comptroller.

Clause 19, which deals with inventions relating to food or medicine, states:—

(1) Without prejudice to the foregoing provisions of this Act, where a patent is in force in respect of—(a) a substance capable of being used as food or medicine or in the production of food or medicine; or

(b) a process for producing such a substance as aforesaid; or

(c) any invention capable of being used as or as part of a surgical or curative device, the comptroller shall, on application to him by any person interested, order the grant to the applicant of a licence under the patent on such terms as he thinks fit unless it appears to him that there are good reasons for refusing the application.

(2) In settling the terms of licences under this section the comptroller shall endeavour to secure that food, medicines, and surgical and curative devices shall be available to the public at the lowest prices consistent with the patentees' deriving a reasonable advantage from their patent rights.

(3) A licence granted under this section shall entitle the licensee to make, use, exercise and vend the invention as a food or medicine or for the purposes of the production of food or medicine or as part of a surgical or curative, but for no other purpose.

In the part of the Bill concerned with registration of designs, it is proposed to do away with the system of registration under classes, and to grant registration to a particular single article or, in some instances, set of articles. The definition of copyright is extended to cover importation for sale or for use in a trade or business.

If the Bill passes through both Houses, as it is fairly certain to do (whatever modification it may undergo in the process), it will come into effect on January 1, 1950. Should the other proposed measures accompany it on to the Statute Book, the result will be a much more compact and straightforward system than at present.

Quest for Dollars, 1949

THE "Economic Survey for 1949" (Cmd. 7647), published this week, while providing information on the industrial and commercial outlook for the current year, affords an opportunity to examine once again in the light of more complete knowledge the economic position of the United Kingdom at the close of 1948. The overall gap between imports and exports was reduced from £630 millions in 1947 to £120 millions in 1948, and the last six months of the year showed a surplus of £30 millions. The dollar deficit, however, remains a crucial problem. The gap with the Western Hemisphere was reduced from £655 millions in 1947 to £340 millions in 1948, and it is hoped to reduce the deficit further in the first six months of 1949 to £115 millions.

Turning to exports, it is expected that the volume will be 55 per cent. above 1938 at the end of 1949, and in the first six months of 1949 to reach a monthly average of 50 per cent. above the 1938 volume. Chemical exports were 52 per cent. above the 1938 volume in the first six months of 1948 and an increase was made in the last six months of 1948 to bring the volume to 60 per cent. above the pre-war level. In the first six months of 1949 it is hoped to raise the volume of chemical exports a further 10 per cent.

Increased production in the chemical industry in 1948 made it possible to cut down imports of raw materials, and continued progress in 1949 with the many new development schemes such as those f alkalis, dyestuffs and chemicals from o cracking, plastics, etc., should further r duce Britain's dependence for some mat rials on outside sources and also assist t export drive.

It may be considered that, owing to th enormous potential possessed by the Unite States and other countries of the Wester hemisphere in the chemical field, Britai is not in a position to compete with U. manufacturers in American markets. Th may be true for sections of the chemic industry, but in fine chemicals and bi logicals it has been demonstrated that i some instances the British-made produ (although bearing a high tariff rate) can b sold even in the U.S. at prices competiti with those of domestic manufacture.

Blood Transfusion Service

THE National Blood Transfusion Servic is now administered by Regional Ho pital Boards under the National Healt Service, with twelve regions in Englan and Wales. Each region is centred on university town (Newcastle, Leeds, She field, Cambridge, London (two regions Oxford, Bristol, Cardiff, Birmingham Liverpool and Manchester). At each tow an organisation is maintained for collec ing blood within the region. When a appeal is made donors attend "bleedin sessions" where each gives just under pint of blood. The whole blood is kep in either the regional blood bank, or issue to area blood banks which are maintaine at general hospitals in each county. Eac of the principal hospitals holds a suppl of blood, sufficient not only for its ow needs, but also for the smaller hospitals nursing homes and general practitioners i its district. The supply is replenished fron the regional blood bank at least ever week. In 1944 there were 1,005,000 donor enrolled on the regional panels. The num ber dropped to 270,000 by the end o December 1946, but there are now ove 370,000 in England and Wales. The addi tion of 100,000 donors in two years ha not, however, satisfied the increasing de mands on the service which aims at re cruiting another 200,000 donors—or nearly 600,000 donors in all.

HROMATOGRAPHY DISCUSSED IN EDINBURGH

the third evening meeting of the ses-n of the Scottish Department of the armaceutical Society, held in Edin-rgh recently, Mr. Neil Campbell, D.Sc., e a lecture on "Absorption Chromato-phy." He said that in the analysis drugs chromatography presented endless sibilities. An early application of the thod had been the examination of bal-n of Peru in which natural and arti-al products could be sharply differentia-. The method was valuable in the alysis of normal or pathological urine; proporphyrin 1, present in urine nor-lly in a concentration of 1 : 100,000,000, uld be concentrated and detected by method. The adulteration of wine h dyes could also be detected by romatographic technique. The lecturer hibited a chromatographic column in ich twelve dyestuffs from an artificial xture were being separated—a separa-n that would have been virtually im-ssible, he said, by any other method.

Among chromatographic work that had en conducted in the lecturer's own oratory was the separation of 5- and nitrotetrahydro-carbazoles. A striking ample of chromatography was the re-oval of the fluorescence from the coal-tar drocarbon fluorene.

oto-chemical Changes

During the chromatographic process emical or photo-chemical changes might casionally occur on the column. Com-rcial anthracene had a yellow fluores-nce, but after purification on the column had been found to possess a violet orescence. Pure anthracene, however,

Compound	Fluorescence
Benzene	Feeble violet
Naphthalene	Violet
Anthracene	Bright blue
Phenanthrene	Violet
Fluoranthene	Brilliant green
Perylene	Bright orange-red

as not the only product, for by extract-g part of the column, dianthracene had en obtained. When the chromatographic sorption had been carried out in the ark however no dianthracene had been tained. Hydrolysis of acetyl derivatives bases had been observed, especially when umina, which was generally somewhat kaline, was used.

One of the most elegant aids to chromat-graphing so-called colourless substances was the use of ultra-violet light. The aromatic hydrocarbons, for instance, frequently showed strong fluorescence (see table), and could therefore be readily separated and purified.

Drugs which were strongly fluorescent, and might be examined by chromatography included quinine, acriflavine, and anthraquinone drugs (e.g., aloes, cascara, rhubarb, senna).

Discussion

Professor Hirst in a discussion which followed the lecture said that his laboratory was particularly interested in the problem of the separation of the sugars that occur, for example, in plants — a branch of chemistry which had been a complete mystery till recently. It was now possible to develop parallel strips of a paper chromatogram with a reagent which "brought up" the colour where the sugars were. Those sections could be cut out and extracted by use of the delicate reagents which were known already for the estimation of sugars on the microgram scale. He told a questioner that it was possible to separate dextrins and sugars by using chromatographic methods. The mono-saccharides moved fast and the bi-saccharides much more slowly, but, under the same conditions, the poly-saccharides and dextrins would remain on the base line. The method worked well with molecular weights up to 500, but beyond that the rate of diffusion in moving down the column became extraordinarily slow.

Dr. Nelson proposed a vote of thanks to the lecturer, seconded by Mr. H. H. Campbell, Ph.C.

Mr. C. G. Drummond (chairman of the Executive) presided.

Mepacrine in Avian Coccidiosis.—Preliminary experiments by Wilson ("Nature," February 12, p. 250) show that mepacrine hydrochloride may prove a "most useful agent" in combating avian coccidiosis, particularly in the event of the development of strains of coccidia resistant to sulphonamides. Although favourable results were obtained by administering the drug to the experimental chicks through the drinking water in a concentration of 0.1 gm. to 4 pints of water, the use of a higher concentration (tentatively 1 gm. per gallon) for five to seven days is suggested. Prolonged dosing appeared to have no lasting adverse effects.

WHOLESALERS' DINNER IN DUBLIN

THE annual dinner of the Wholesale Drug Federation of Ireland, held in Dublin recently, was presided over by Mr. W. R. Such (chairman) and attended by a representative gathering of the wholesale,

Messrs. E. T. McCarron, P.A. Brady and T. C. Scott.

manufacturing and retail sections of Irish pharmacy. The guests included Mr. D. Morrissey (Minister for Industry and Commerce), Mr. P. A. Brady (president, Pharmaceutical Society of Ireland) and Mrs. Brady, Mr. T. C. Scott (vice-president of the Society), Mr. W. J. Adamson, Ballina, Mr. B. R. Smith (secretary, Irish Drug Association) and Mrs. Smith, Mrs. Such, Mrs. A. D. Davidson, and Messrs. F. C. Cahill and J. Gleeson.

MR. W. J. ADAMSON, proposing "The Society," said it had recently been the subect of criticism in the matter of examinations, but he was sure that the Council appointed the examiners with the greatest care. The president of the Society had had long experience in pharmacy: in addition to his present office he had been a president of the Irish Drug Association. Under his leadership the Society would have its prestige upheld.

MR. P. A. BRADY, replying, said he was pleased to be present at a Wholesale Drug Federation function because the Federation was the offspring of the Irish Drug Association, which was itself the offspring of the Pharmaceutical Society of Ireland. As the chartered body, the Society was responsible for training, equipping, and qualifying entrants to the profession. In recent years the curriculum and classes had been extended and the classroom improved to meet modern needs.

"The Irish Drug Association" was proposed by MR. P. C. CAHILL, who said apologies had been received from Mr. J. J. Roche (I.D.A. president) who was out of the country, and from Mr. D. Woulfe (vice-president) who was indisposed. Mr. T. C. SCOTT (treasurer of the I.D.A.), replying for the Association, said he hoped the cordial feelings existing between chemists and wholesalers would continue.

MR. B. R. SMITH, proposing "The Wholesale Drug Federation of Ireland," said the Federation included manufacturers as well as wholesalers. Retailers owed much to the manufacturers for keeping them supplied between 1939 and 1945.

MR. W. R. SUCH, responding, welcomed a party of guests who had travelled from Ballina led by one of the oldest members, Mr. Adamson, and said the Federation was honoured by the presence of the Minister. THE MINISTER FOR INDUSTRY AND COMMERCE said that the wholesale manufacturing and retail sections of the drug trade present that night represented important interests in the economic life of the country. The Pharmaceutical Society should aim at the highest standards possible. The most useful thing any government could do was to create conditions that would allow business and professional men to operate to the best advantage. "The Ladies and the Guests" was proposed by MR. R. A. KIDNEY, who coupled with the toast the names of the Minister and Mr. and Mrs. H. G. Smith. Mrs. Such and Mr. M. Durkan replied.

Left: Mrs. A. D. Davidson, Mr. D. Morrissy, T.D. (Minister for Industry and Commerce) and Mr. W. R. Such (chairman). Right: Mr. John Gleeson, Mrs. H. G. Smith, Mr. P. C. Cahill and Mrs. Brendan Smith.

LIVERPOOL CENTENARY DINNER

HE progress of pharmacy in the last 100 ears was the keynote of the speeches at e centenary dinner of the Liverpool Chemts' Association held on March 9. There ere 180 guests including the Lord Mayor Liverpool, Mr. H. Clement Shaw (prelent, Pharmaceutical Society), Mr. G. H. . Graham (chairman, National Pharmautical Union), Mr. W. J. Tristram Irs. and Miss Moreton Parry, Mrs. Marn Hughes, Professor Lyon Blease and Ir. R. R. Butler (principal, City Technil College). Mr. H. H. Jones presided.

entenary Booklet

Each guest received a copy of booklet entitled "The First Hundred ears"—an expanded version, published Evans Medical Supplies, Ltd., of the ntenary lecture delivered to the Assoation in January by Mr. J. L. Hirst (see . & D., February 5, p. 173). THE LORD IAYOR, responding to "The City of iverpool," proposed by MR. J. P. MURHY, said Liverpool had been the first city appoint a medical officer of health. harmacy had played an important part bringing the health record of the city its present high standard. PROFESSOR YON BLEASE, proposing "The Associaon," said the booklet "The First 100 ears" showed how the dark days of pharacy had come to an end; the brighter ays had begun to dawn. He hoped that e Liverpool School of Pharmacy, of hich Mr. H. Humphreys Jones was prinpal, would some day continue its valuble work under the University.

MR. H. HUMPHREYS JONES said he had ad "something to do" with the Liverool Chemists' Association for the last rty-eight or forty-nine years, and had een president the record number of five mes. MR. I. V. L. FERGUSON (chairan and managing director, Evans Medial Supplies, Ltd.) said that 100 years go his great-grandfather, Edward Evans, ad been in the chair when Jacob Bell had ddressed the first assembly of Liverpool hemists. On that occasion the Liverpool hemists' Association had been born. ifty years later Mr. Evans had delivered n address on "Seventy Years' Reminicences in the Drug Trade." The proession and the pharmaceutical industry ould be depended upon to meet the eeds of the public with no less satisfacion than in the past in spite of the increased responsibilities resulting from the National Health Service. MR. L. A. BUTT, proposing "The Pharmaceutical Society," paid tribute to "the long cavalcade of capable and earnest men whose constant purpose has been and still is, through education, to increase the standing of the pharmacist and provide increased accommodation to the public."

MR. H. CLEMENT SHAW said that in 1849, when people "with commercial minds and a desire for quick and easy money" had made for the Klondyke, there had remained in Liverpool a body of men who formed the Liverpool Association. The Liverpool Association and the younger associations were responsible for the exalted position in which pharmacy found itself today. Pharmacy was more than a profession: it was a link between the professions and the layman which smoothed the working of the new Health Service. MR. W. J. TRISTRAM, replying to "The Guests," which had been proposed by MR. W. E. HUMPHREYS, referred to his appointment as chairman of the Pharmaceutical Advisory Committee.

C. & D. DISPENSING PRICE LIST

THE following changes took place during February. The index figure was 179.6.

Cost		*Due allowance has been made for purchase tax where chargeable*	Dispensing price		
d.	*per*		4 oz. *s. d.*	1 oz. *s. d.*	1 dr. *s. d.*
8	oz.	Aluminii subacetas	—	1 2	0 2
20	gr.	Cantharidinum S.1.(4)	per	gr.	2 11
56	oz.	Chrysarobinum ..	—	—	1 4
24	lb.	Creta c. camph., 10% ..	0 11	0 3	—
66	lb.	Galla pulver.	2 5	0 8	0 1½
45	lb.	Lin. terebinth. acet.	1 7	0 6	0 1
102	lb.	Ol. amygdalæ ..	3 8	1 0	0 2
33	oz.	Ol. aurantii amara	—	4 10	0 9
52	dr.	Ol. coriandri exot.	—	—	7 6
42	oz.	Ol. crotonis ..	—	—	0 11
26	lb.	Ol. morrhuæ 16 fl. oz. 3s. ..	0 11	0 3	—
30	oz.	Ol. pulegii exot. ..	—	4 5	0 8
80	lb.	Ol. theobromatis	2 10	0 10	0 1½
42	oz.	Phenazonum ..	—	6 4	0 11
78	lb.	Pyrethri radicis pulvis	2 10	0 9	0 2
38	oz.	Sulphathiazolum ' only	—	5 7	0 10

GUIDE TO NEW MEDICAMENTS

N 63

DISTRIBUTOR: Antigen Laboratories, Ltd., 95 Great Portland Street, London, W.1.

DESCRIPTION AND FORMULA: Cachets containing:—Ammonium acetylsalicylate, gr. 6 amphetamine sulphate, gr. 1/20; and ammonium camphorsulphonate, gr. 2½.

INDICATIONS: Relief of influenza and the common cold, etc.

DOSAGE: In influenza, etc.: Two cachets morning, noon and afternoon. During convalescence and for headache, dysmenorrhœa, etc., 2-4 cachets daily.

HOW SUPPLIED: Cartons of twenty cachets.

NOTES: The preparation has been introduced from France.

TRIPLE-SULPHA CREAM

MANUFACTURER: Ortho Pharmaceutical, Ltd., Lane End, High Wycombe, Bucks.

DESCRIPTION AND FORMULA: A cream containing sulphathiazole, 3.42 per cent.; sulphacetamide, 2.86 per cent.; N-benzoyl sulphanilamide, 3.7 per cent.; and urea, 0.6 per cent.; in a water soluble cream base.

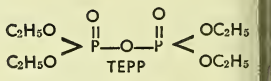
INDICATIONS: Vaginal infections caused by overgrowth of secondary bacterial invaders in the presence of broken down tissue.

DOSAGE: 5 gm. (one applicatorful) to be applied twice daily when condition is most serious. Dosage to be reduced after four to six days.

HOW SUPPLIED: Tubes containing 3 oz. with or without applicator.

TEPP

SUPPLIER: Allen & Hanburys, Ltd., Bethnal Green, London, E.2.



DESCRIPTION: Tetraethylpyrophosphate.

INDICATIONS: Myasthenia gravis.

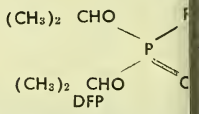
DOSAGE: Orally, maintenance dose 8-12 mgm. daily in two or three doses. The tablets should be crushed and swallowed immediately with one or two ounces of water. By intramuscular injection, 1-5 mgm., according to the requirements of the patient.

HOW SUPPLIED: *Oral tablets,* coated to protect them from atmospheric moisture, containing 1, 2 or 5 mgm. *Injection,* in 1-c.c. ampoules, each containing 5 mgm. in propylene glycol solution.

NOTES: TEPP is inactivated rapidly in the presence of water. The preparation is marketed in conjunction with Albright & Wilson, Ltd., 49 Park Lane, London, W.1.

DFP

MANUFACTURERS: Allen & Hanburys, Ltd., Bethnal Green, London, E.2, and Boots Pure Drug Co., Ltd., Station Street, Nottingham.

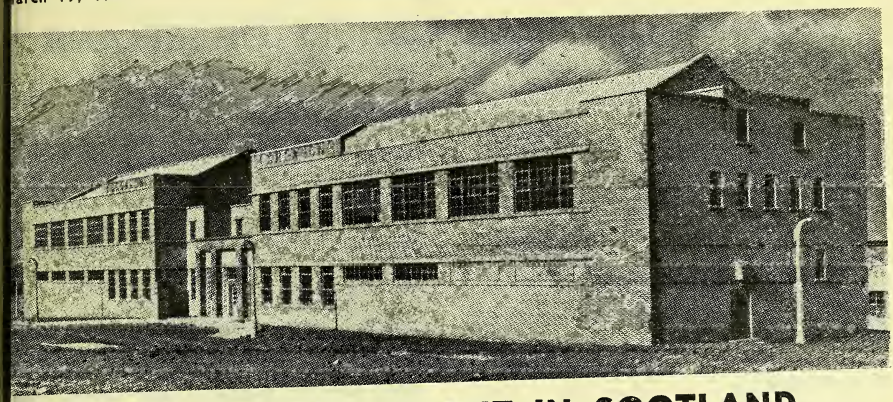


DESCRIPTION: Di-isopropyl fluorophosphonate.

INDICATIONS: Glaucoma, paralytic ileus, myasthenia gravis.

DOSAGE: *Glaucoma*: One drop of the eye-drops, 0.1 or 0.05 per cent. (see below), to the affected eye as necessary to control the intra-ocular tension, but not more than thrice daily. *Paralytic Ileus:* 2.0 to 3.0 mils of the injection (see below), intramuscularly, followed by an enema. Further smaller injections may be given daily for a week to prevent relapses. *Myasthenia Gravis:* 0.5 to 2 mils (usually) of the injection (see below) intramuscularly. Neostigmine, if given, should be injected after the DFP.

HOW SUPPLIED: (*Allen & Hanburys*) In solution in arachis oil; injection (0.1 per cent.) in boxes of six and twelve 2-c.c. ampoules; eye-drops (0.1 and 0.05 per cent.) in ½-oz. bottles. (*Boots*) Eye-drops and injection as 0.1 per cent. solutions in arachis oil. Eye-drops in bottles of 10 mils, and injection in 2-mil ampoules (boxes of five).



AN ENDOCRINE PLANT IN SCOTLAND

Organon Laboratories, Ltd., opens new works

ON a site developed by Scottish Industrial Estates at Newhouse, by Motherwell, Lanarks, on March 11, new factory was opened by Organon aboratories, Ltd. The chairman (Mr. L. F. an Zwanenberg) said that for a hundred ears or so the business from which the ew factory sprang had been increasing its cope in the processing, importation and istribution of food, particularly meat. Its eadquarters were in England and Holland.

About thirty years ago members of the wanenberg family became interested in nsulin and commenced its manufacture n Holland. It was soon found that the roduction involved matters of chemical ynthesis far removed from utilisation of nimal by-products. From its inception the ompany aided in the medical, chemical nd industrial researches connected with he production of synthetic hormones. The English company is closely affiliated with Organon N.V., of Oss, Holland, which is controlled by N.V. Zwanenberg-Organon.

War-time Developments

"When I returned to business after a war-time period of Government service, I found," said Mr. van Zwanenberg, "that, although the British enterprise had been cut off from the Dutch, it had substantially grown." During the war, under conditions of great difficulty, but with the co-operation of a number of Government departments (notably the Ministries of Health, Economic Warfare, and Supply), the British company pursued an export policy which today was yielding valuable results. The new factory had, in fact, been planned by the British company and negotiations were already in hand with the Board of Trade for its erection.

Innovations in Research

The company claims to be an innovator in methods of organising research. The laboratories at Newhouse form part of a chain of research units operated or promoted by the organisation in their own premises, in universities and in hospitals in various parts of the world, the efforts of which are directed and managed by an international committee. The factory established at Newhouse has been made large enough to cater for the entire present hormone requirements of the British Empire.

A PHARMACIST'S ANTHOLOGY

"IF my dear wife, your mother, were alive, your life would be a constant grief to her. I can see the hand of Providence in her untimely death. Tell me, you unhappy boy," he went on, opening his eyes, "what am I to do with you? When I was younger my relations and friends knew what to do with me; some advised me to go into the army as a volunteer, others were for pharmacy, others for the telegraph service; but now that I was twenty-four and was going grey at the temples and had already tried the army and pharmacy and the telegraph service, and every possibility seemed to be exhausted, they gave no more advice, but only sighed and shook their heads."—*From "My Life," by Anton Tchekov.*

PHARMACEUTICAL SOCIETY OF IRELAND

Mr. P. A. Brady (president) was in the chair at a meeting of the Council of the Pharmaceutical Society of Ireland held in Dublin on March 8. Also present were Messrs. T. C. Scott (vice-president), J. Gleeson (treasurer), P. C. Cahill, H. P. Corrigan, G. C. O'Neill, C. J. Cremen, M. Costello, P. Brooke-Kelly, F. X. Meagher, J. P. Kissane, D. C. O'Shea, F. F. McGrath, R. Daly, P. Fullam, Senator F. Loughman, T. B. O'Sullivan, J. A. O'Rourke, and N. A. McKane. An apology for absence was received from Mr. A. A. Toher.

Correspondence

A letter from the Ministry of Justice stating that the Minister had approved a resolution, passed by the Council at a previous meeting, governing the issue of honours awards in relation to referred candidates was read to the Council. An application from Dr. W. P. Bannan submitting a Licentiate of the Apothecaries' Hall certificate for registration as a pharmaceutical chemist was granted. Preliminary registration of Michael Shannon was reported. A communication was read from the British Pharmacopœia Commission forwarding a memorandum setting out proposed deletions and additions for the British Pharmacopœia to be issued in 1953. It was agreed, on the suggestion of Mr. Brooke-Kelly, to circulate copies of the memorandum to all the members of the Council for their observations.

The Registrar (Mr. James G. Coleman) read the text of a letter sent to the Minister for Defence in connection with the payment of officers serving as pharmacists in the Army, and an acknowledgment stating that the issues raised in the letter were being gone into. A letter from the British Pharmaceutical Conference requesting the Council to submit any suggested subjects for the Conference was noted. The reports of the House, Law, Schools, and Education Committees were submitted and approved. Messrs. T. R. Bourke and B. P. Hickey were unanimously reappointed examiners to the Assistant examination. Mr. R. F. Timoney was unanimously elected examiner for the Registered Druggist examination in succession to Mr. T. J. Burke, who has retired.

The Council received a deputation from the Benevolent Fund Dance Committee comprising Messrs. P. G. Redmond (chairman) and D. Murphy (secretary), and t Misses C. W. Fullam and Cora Gaffn (treasurer). Mr. Redmond said it w again his privilege to hand over, as t result of the dance committee's efforts, cheque that this year amounted to £47 an increase on the 1948 figure. Origin hopes of reaching £500 had been d appointed because expenses had proved heavy. There had been a better respon to the appeal for subscriptions: 212 su scriptions had amounted to £350 (again 177 subscriptions amounting to £300 1948). Five years ago there had been 16 subscriptions amounting to £250. Th ideal position, where a large number ga small subscriptions, was slowly beir approached. The Society's Calend showed that there were 2,564 potenti subscribers (1,797 licentiates, 266 regi tered druggists and 501 qualified assistants A subscription of 4s. from each woul bring in £504 each year (apart fro money realised at the dance). Mr. Re mond thought that members of th Council who were present at the danc would agree that it had been a most su cessful social event. He went on to than all who had helped the committee. M Redmond then formally handed over th cheque.

"A Creditable Achievement"

The President, replying, said it wa again his privilege to thank the committe on his own behalf, on behalf of the Coun cil, and on behalf of chemists throughou the country for the substantial cheque. I was a creditable achievement to hav beaten even the 1948 record. The annua contribution from the dance committe was the backbone of the Benevolent Fund without it the Fund would still be in it infancy. He then paid tribute to the public spirited work of Mr. Redmond, Miss Fullam Miss Gaffney, and Mr. Murphy, and ap pealed to those who so far had not suppor ted the Fund to remember the great amoun of extra good that could be done if the would send even a small subscription. I they considered the less fortunate wh needed help he believed they would al send contributions.

Mr. Gleeson joined with the presiden in congratulating Mr. Redmond and his committee. Claims on the Fund were increasing every year, he said, and withou the committee's assistance many cases o

tress would have to go unrelieved. Mr. urphy said he had been asked what need re was for a benevolent fund, and he alled a case some years ago of an old emist, whose only source of help had en from a students' dance committee. ter forty years in the profession he had d in poverty. If a benevolent fund d existed then such a tragedy could have en avoided. The generosity of the Fund s limited only by the money at its dissal; if the number of subscriptions could increased, the good work could be ther extended.

Mr. Daly, associating himself with the butes to Mr. Redmond and the committee, recalled a case in the South of a rson whose financial position would have en desperate but for the Fund. The putation then withdrew.

rm Examinations Discussed

Mr. Cremen, referring to the Society's cence examination, thought there should closer co-operation between the prossors and the examiners. There should so be some relation between the term d the final examinations, and the cence examiners should be supplied with report on how students fared in their rm tests. Mr. Brooke-Kelly said that any universities abroad took into account their final examinations a student's ogress during his class and term examations. Mr. Daly supported Mr. remen's suggestion. Mr. McKane said at at present there was a great difference tween the term examinations and the icence and Assistants' examinations. Mr. leeson thought Mr. Cremen's suggestion orth investigating. Mr. Kissane said here should be a mid-way examination; ny student who did not pass it should be sked to take his lectures again. Students up om the country who took part-time posts Dublin had little time to study or ttend lectures properly. A full academic ear's study for the final examination ould soon become necessary although me students would thereby suffer financial hardship. The standard of the term xaminations should be raised to a higher evel. Mr. O'Rourke agreed that the rm examinations should be more earching. Mr. O'Shea said there was too uch "cramming" in chemistry, pharacy and botany. He was entirely in avour of bringing the term examinations nore into line with the final. Mr. Brooke-Kelly said that if the students realised the term examinations were so important they would study better. The Council agreed that Mr. Cremen's suggestion should be referred to the Education Committee for further consideration.

New Members

The licence certificate of Margaret Philomena Neavyn was signed and sealed. The following were elected members of the Society:— Sister Mary Berchmans Roche, and Messrs. Patrick Daffy, Patrick Dillon, John P. Barton, Patrick S. Lalor, and Edward P. Kenny. Nominations for membership were passed in respect of the following:—Dr. W. P. Bannan, L.A.H., Dun Naoise, Durrow, Leix; P. J. Foley, L.P.S.I., Killorglin, co. Kerry; F. P. MacDonnell, L.P.S.I., Rathmines, Dublin; Miss J. M. Clavin, L.P.S.I., Crumlin, Dublin; Miss M. Neavyn, L.P.S.I., Tullow, co. Carlow; K. O'Shaughnessy, L.P.S.I., Westport, co. Mayo; Miss K. McCarthy, L.P.S.I., Dublin; M. Mortell, L.P.S.I., Mallow, co. Cork; and J. D. O'Byrne, L.P.S.I., Frankfield, Cork.

The following changes of address were notified:—Sister Mary D. Kelly, L.P.S.I., Sister Mary J. Walshe, L.P.S.I., and Sister Mary B. Roche, M.P.S.I., to the Medical Missionaries of Mary, Our Lady of Lourdes Hospital, Drogheda, co. Louth; Sister Mary M. McKernan, M.P.S.I., to the Medical Missionaries of Mary, St. Luke's Hospital, Anua, Southern Nigeria; Miss J. M. Clavin, L.P.S.I., to Galteemore Road, Crumlin, Dublin; Mr. John P. Barton, M.P.S.I., to Main Street, Celbridge, co. Kildare; Mr. P. J. Foley, to Lower Bridge Street, Killorglin, co. Kerry; Mr. P. S. Laler, M.P.S.I., to 69 Collins Avenue, Donnycarney, Dublin; Mr. P. J. O'Regan, M.P.S.I., to 22 Main Street, Bagenalstown, co. Carlow; Mr. J. K. O'Shaughnessy, L.P.S.I., to Achill Sound, co. Mayo; and Mr. F. W. Spinks, L.P.S.I., to 21 Stansfield Row, Kirkstall, Leeds, 4.

At a meeting of the Benevolent Fund Committee held at the close of the Council meeting a number of grants were passed for payment.

German Electro-chemical Operations.—The electrolytic production of chlorine, calcium hypochlorite, chlorate, perchlorate, calcium, etc., at the I. G. Farben Industrie A.G is described in the final report of the British Intelligence Subcommittee (No. 732). Copies may be obtained from H.M. Stationery Office, price 11s.

MEDICAL ABSTRACTS

Activity of Synthetic Œstrogens. — Bishop and others ("Lancet," 1948. II.764) find the potency of hexœstrol to be only one-eighteenth; of dienœstrol about a quarter; and of doisynolic acid about a fifth that of stilbœstrol. Harmer and Broom (*ibid.*, p. 766) find in hexœstrol one-tenth the activity of stilbœstrol when given orally by mouth, in dienœstrol two-thirds, and in potassium hexœstryl sulphate one-fourteenth.

Resistant Malarial Strain.—A strain of monkey malaria closely similar to *Plasmodium vivax*, a causative organism of malaria in man, has been found by Hawking and Perry ("Lancet," 1948.II.850) to show a 1,000 times increased resistance to proguanil (Paludrine) after fourteen months. The authors consider that benign tertiary malaria in man might become resistant, though the process would probably take a long time to complete, even under favourable conditions.

Para-aminobenzoic Acid in Leucæmia. —Five patients with myeloid leucæmia, who were treated with *p*-aminobenzoic acid by May and Vallance-Owen ("Lancet," 1948.II.607), showed a "remarkable drop" in total leucocyte count. In all cases the count had been brought to within normal limits in twenty-one days. When treatment ceased the count rose, to be followed by another rapid fall when treatment recommenced. The drug was given two-hourly in doses of 0.5 gm. per lb. of body weight per twenty-four hours.

Penicillin-dust Inhalations.—The inhalation of fine particles (100-mesh) of dry crystalline penicillin sodium (100,000 or 200,000 units) is reported by Krasno and others ("Annals of International Medicine," 1948.28.607) as a means of topical application of penicillin in upper respiratory tract infections and bronchiectasis. Inhalation of the particles is considered to have greater local effects than aerosols because the penicillin must go into solution while it is in contact with the mucous membrane. Only one sensitivity reaction was noted in sixty-six cases treated.

Anti-drink-habit Drug.—When alcohol was given to persons previously treated with tetraethylthiuram disulphide (Antabuse) they were found by Hald and Jacobsen ("Lancet," 1948.II.1001) to experience dilatation of the facial vessels, increased pulmonary ventilation, raised pulse rate and general uneasiness. "The symptoms appear they state, "to be the result of an i creased formation of acetaldehyde fro alcohol." Martensen-Larsen (*Ibid.*, 1004) describes a treatment for alcoholis based on the compound, and reports pr mising results in seventy-four out eighty-three cases treated.

Proprietary Fluoride Preparations.- MacGregor ("British Medical Journal January 1, p. 29) recommends that, un adequate trials have been made of dent preparations containing fluorides, their u in Britain should be prohibited, as it in the United States. He sums up pr sent knowledge on the use of fluorides follows: Optimal fluoride ingestion du ing the period of calcification of tee appears to inhibit dental caries; eviden that topical application to the teeth beneficial is not yet conclusive; tl mechanism by which fluorides work is n fully understood; optimum strength solution, frequency of application, ar duration of effect (if any) are not knowr and ingestion of excessive amounts fluoride leads to unsightly mottling of tl teeth.

Intravenous Iron. — An iron-sucro preparation that the authors find to stable and well tolerated when admini tered intravenously is described by Sla and Wilkinson ("Lancet," January 1, 11). The preparation was made by di solving a 5:8-gm. quantity of anhydro ferric chloride in 50 mils distill water at 95° C., adding 28 gm. sucro and stirring till dissolved. Separate sol tions are made of 1.8 gm. sodium carbo ate and 5 gm. sodium hydroxide, each 25 mils of water. The carbonate sol tion is added slowly to the ferric chloric solution, stirring to drive off all the ca bon dioxide after each addition, and tl sodium hydroxide added finally, prior filtration. The authors give a techniqu of administration and scheme of dosa under which the calculated iron defic in an iron-deficiency-anæmia patient made good "almost quantitatively," a parently without the need for supplemen ing with trace elements, ascorbic acid folic acid. There was no detectable di ference in response between the author preparation and Ferrivenin, a proprieta iron-sucrose product Govan and Sco (*Ibid.*, p. 14) record rapid response to Fe rivenin administered intravenously twenty-five anæmic pregnant women.

CORRESPONDENCE

Late Dispensing

SIR,—The out-of-hours dispensing agita-
on, following the Ashford and Notting-
m late openings (see *C. & D.*, March
, p. 346), prompts me to say that
e multiples are not the only movers in
is reversal to the "bad old days." Here,
a small community in south London,
ll served by two multiple and two
ivate chemists in a half-mile terrace, a
w competitor has appeared. His living
n only be obtained by taking away a
rt of that already well shared by existing
armacies, and, we are observing an all-
t attempt to corner the dispensing by
y and every method. The new business
open until 8 or 8.30 every night, includ-
e half-day. Are we old-established busi-
sses to be compelled to keep an eye once
ore on competitors' lights, or are we to
t them get away with this unfair competi-
on? Patients taking in evening scripts are
en being driven home by car. Well!

Yours faithfully,
ROTA-RIAN.

SIR,—To the individual pharmacist, the
dden affection of the co-operative chem-
s for dispensing and ethical pharmacy
more than ironical. Whilst the private
emist has been answering the night-bell
e superintendent chemist has been free
om worry. Now the white overall has
me out and all is elegance and ethics.
he crux of the problem of late dispensing
surely whether the patients themselves
emand such a service. If so, it is a matter
r the Executive Council to consider the
idence in favour of such a service and if
ey decide it is needed, they, and they
nly, should set it in motion. There is no
om for unilateral action. Further, the
co op" at Nottingham were advertising
dispensing service over a longer period
an the normal chemist. They were still
dvertising dispensing, which is unethical,
nd in doing so they were taking advan-
age, too, of considerable financial re-
ources not possessed by an individual
harmacist. Thus, clearly, they offend on
wo counts: unilateral action and the ad-
ertising of dispensing, whereas by amicable
iscussion with the Executive Council the
natter could have been settled to the bene-
it of the genuinely sick patient, who is the
erson who really matters.

Yours faithfully,
Wanstead, E.11. SIDNEY J. RELPH.

MISCELLANEOUS INQUIRIES

Bromsulphalein.—*J. B.*—Supplies of this diagnostic agent are available only to hospitals and research organisations and not through the trade. Small stocks are being held by a London wholesaler in response to a Ministry of Health request.

Paraformaldehyde Fumigation.—*F.H.S.*—For fumigation purposes, paraformaldehyde is generally used by placing 15-gr. tablets of the compound in a metal evaporator over a night-light or spirit flame. For each 1,000 cu. ft. of air space ten to twenty such tablets are required. It is advisable to provide a damp atmosphere for the fumigation by previously spraying the walls of the room with water.

Baby Cream.—*A. L. M.*—Baby creams of varying consistencies may be prepared with the following ingredients:—

Emulsifying wax, B.P.	5—15
Cetyl alcohol	5—10
Boric acid	1
Glycerin	10
Simple tincture of benzoin, B.P.C.	0.5
Water	78.5—63.5

Dangerous Drugs to Branches.—*N.C.*—Whatever the theoretical restrictions on distributing Dangerous Drugs, in practice businesses have been supplied from central headquarters since the Dangerous Drugs legislation was enacted without any obstacles being raised by the authorities. It is regarded as a matter of common sense that distribution from one branch to another of the same business is necessary. Both sets of premises, of course, must be registered, and no payment must be made, as that would convert the transaction into a sale, for which a wholesaler's licence would become necessary.

Sulphonamides for Animals.—*M.W.*—Pharmacists are permitted to supply for livestock, without a medical, dental or veterinary prescription, poisons included in the Fourth Schedule to the Poisons Rules if the poison is sold "for use by the purchaser thereof in his trade or business." Some difficulty has been experienced in practice in deciding whether a particular transaction is a sale of the article for use in trade or business, but if a person keeps poultry or cattle for the sole use of himself or his family, then the pharmacist is not in order in supplying him with sulphonamides, etc., otherwise than on a prescription.

Camera Price Control.—*J.D.S.*—The dealer's maximum sale price allowed by the Ministry of Supply for second-hand photographic apparatus is calculated by adding the actual price paid to a private owner for the second-hand article to a gross margin of 50 per cent. of the retail cash price of the new article at August 3, 1939. The expenses incurred by the dealer in reconditioning or repairing the goods before sale must be met out of this margin, and dealers are required to keep a strict record of all transactions relating to the scheduled apparatus. All other articles of photographic apparatus (including projectors for sub-standard film) remain subject to the Second-hand Goods Order, 1943. A detailed list of the apparatus affected by the price machinery outlined is contained in S.R. & O., 1945, No. 38.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quan ties of standard quality. Prices of crude drugs and essential oils vary as to brand or grad

28 Essex Street, W.C.2, Mar. 16

THE home-trade call for PHARMACEUTICAL and FINE CHEMICALS remains on a small to moderate scale with prices in general unchanged on the week. From today, however, rates for MERCURIAL SALTS will be increased reflecting higher costs of metal. MERCURY prices were advanced on December 20, 1948. An increase is to be made in makers' rates for BENZOCAINE from March 21 when small quantities will cost 52s. per lb., compared with 42s. 6d. per lb. at present. Trade in CRUDE DRUGS continues slow. There is little demand for AGAR on the spot and the market is inclined to weaken as, in addition to lack of interest in the spot market, there have been reports of cheap offers from Japan. It is understood, however, that there are no import licences at present for agar. Cape ALOES is easier on the spot; shipment offers are at 98s. per cwt., c.i.f. BALSAM TOLU continues easier with supplies coming forward at 10s. per lb. Sumatra BENZOIN is a firmer spot market and supplies for shipment from origin are now quoted at £16 5s. per cwt., c.i.f. It is understood that a traffic in benzoin into Singapore from the producing areas has been checked by Dutch authorities. No shipment offers are being made of African GINGER and the spot market is in a nominal position; Jamaican ginger has reacted accordingly and spot quotations have risen by 5s. per cwt. for all grades. Brazilian MENTHOL continues firm; a fair business has been done at 41s. per lb., duty paid, but spot offers are now at 42s. 6d. to 43s. 6d. per lb., duty paid. Brazilian shippers have asked for an extension of shipment dates as a late mint crop is expected owing to drought. A moderate business was done in MYRRH siftings last week at former prices. A steady inquiry is being received for Tinnevelly SENNA. Reports from India of higher prices are understood to be the result of poor yields in both the monsoon and "dry" crops, and the lower acreage given to senna planting because of the emphasis on grain production.

Business in ESSENTIAL OILS, especially in perfumery oils, is not expected to recover until after the Budget. The spot markets generally are inclined to be weak but any renewal of inquiry would bring about a reversal as there are indications of higher prices at origin for several oils. Java CITRONELLA remains firm and slightly higher prices are asked for Ceylon oil. Bourbon GERANIUM is difficult to find on the spot; unconfirmed reports state that there has been damage to crops by floods in Réunion. There have been some cheap offers of imported SWEET ALMOND OIL but demand has been poor.

U.S. Drug and Chemical Repo

New York, March

THE markets for PHARMACEUTICAL a FINE CHEMICALS during the past we were featured by a reduction of 10 cen per lb. in the price of THEOPHYLLINE; 100 lb. drums, the product is now $7. per lb. A cut in the price of crude GL CERIN which also occurred during the we is regarded as a first sign of easier con tions which are expected to result from t introduction of synthetic material on t market. The current selling price of cru GLYCERIN is 22.33 cents per lb., f.o.b. Tex Reports that the mint crop in Brazil h been adversely affected by drought and th the crop would most likely amount to more than 100 tons brought a sharp r versal in the price trend in MENTHOL the New York market. Whereas quot tions had dropped 20 cents per lb. in fortnight (to $8.55), the cheapest lo available last week were priced at $8. per lb. There are few offers now fro this source. In the primary domest BOTANICAL DRUGS market demand st continues on a very low level, with no season's prices lower generally. Absen of demand for HYDRASTIS ROOT has broug country prices to such low levels that cu tivation may be considerably reduced. T firmer tone of the ESSENTIAL OILS mark which developed recently is still appare although price movements were fewer tha usual last week. The SPEARMINT acrea may be reduced during the coming seaso because of the decline in oil prices ov the past year. Large holdings of EUCALY TUS together with a decline in consumptio are held responsible for recent price cuts

Pharmaceutical Chemicals

AMMONIUM CHLORIDE, B.P. — Stead Makers quote 1-cwt. lots at 9½d. per lb.

BARBITONE.—Base and soluble are offere at prices from 42s. 6d. to 46s. per lb.

BORAX.—Makers' current prices are B.P. quality, granulated, £38 per ton crystal, £39; powder, £39 10s. Commerci grades £8 per ton less. Packed in 1-cw bags delivered carriage paid in Great Bri ain in 1-ton lots and upwards. Term quoted do not apply to Northern Irelan

BUTYL CHLORAL HYDRATE. — In goo supply; prices are from 17s. 6d. per lb.

CAFFEINE.—Steady. Makers' rates pe lb. for 1-cwt. lots are: ALKALOID, anhy drous, 35s. 6d., and B.P., 33s. 6d.; CITRATE 20s.; SODIUM BENZOATE, B.P., 22s. 6d. SODIUM SALICYLATE, B.P.C., 23s. 3d SODIUM IODIDE, 26s. 56-lb. lots are 1s. pe lb. more than above rates; 28-lb., 1s. mor than for 56 lb.

CALAMINE.—Makers are asking 1s. 9d. r lb. for quantities of 1 cwt.

CHLORAL HYDRATE.—Current rates per for the home trade are: 1-cwt. lots, ; 56-lb., 4s. 2d.; 28-lb., 4s. 4d.

CHOLESTEROL.—Prices are from 125s. r kilo for semi-refined and from 137s. 6d. wards for recrystallised material.

CODEINE.—Steady. Current prices per , in the home market, are: ALKALOID, oz., 51s. 9d.; 1 oz., 49s. 3d.; 2 oz., s. 9d.; 3 oz., 47s.; 4 oz., 46s. 9d. HYDROLORIDE, ½ oz., 46s. 4d.; 1 oz., 44s.; 2 oz., s. 6d.; 3 oz., 41s. 9d.; 4 oz., 41s. 6d.; IOSPHATE, ½ oz., 40s. 9d.; 1 oz., 38s. 3d.; oz., 36s. 9d.; 3 oz., 36s.; 4 oz., 35s. 9d. YDROBROMIDE and IODIDE as ALKALOID; LPHATE as HYDROCHLORIDE.

EMETINE.—Makers' rates per oz. are as llows: HYDROCHLORIDE, 1 oz., 187s.; 4 ., 180s.; 16 oz., 177s. 6d.; 32 oz., 175s. ISMUTH IODIDE, 1 oz., 96s. 6d.; 4 oz., s.; 16 oz., 93s. 6d.; 32 oz., 92s.

ETHER.—Makers' prices per lb. are: NÆSTHETIC, 1 cwt., 2s. 10d.; 72 lb., . 11½d. B.P., 5 cwt., 2s. 1½d.; less, . 3½d. TECHNICAL, 1½d. per lb. less than .P. The foregoing rates are for ether acked in winchesters. In 1-lb. bottles rices are 2½d. per lb. more.

HYDROCYANIC ACID.—B.P.C. (Scheele's) quoted at 1s. 5½d. per lb. and B.P. at . 1½d. per lb.

HYDROQUINONE.—Bulk rates are as follows: 10 cwt., 9s. 6d.; 5 cwt., 9s. 9d.; cwt., 10s.; 28 lb., 11s.; 14 lb., 11s. 3d.; lb., 11s. 6d. per lb. Carriage paid in U.K.

HYOSCINE HYDROBROMIDE. — Makers' rices are from 115s. to 125s. per oz., cording to quantity.

HYPOPHOSPHOROUS ACID.—In winchesters rices are around 6s. 2d. per lb.

IODINE PREPARATIONS.—Steady. Makers' rices per lb. for the home trade are as llows: POTASSIUM IODIDE, B.P.—1 cwt., 1s. 1d. SODIUM IODIDE, B.P.—28 lb., 2s. 1d. IODOFORM, B.P.—28 lb., powder, 5s. 7d.; crystals, 17s. 7d. RESUBLIMED DINE, B.P.—1 cwt., 12s. 8d. Orders of 8 lb. and upwards may be made up with ssorted preparations at schedule rates. Packages are extra. Contracts may be ooked for 1 cwt. and over of assorted preparations for delivery as required within hree months with rise and fall clauses. Special rebate of 4d. per lb. allowed on uantities of 5 cwt. in one delivery, or on ontract for delivery within three months.

ISOPROPYL ALCOHOL. — Makers quote 5s. 3d. per gall. for small lots.

LACTOSE.—B.P. quality of Dutch origin s offered as follows:— 1-ton lots, 1s. 9d.; 10-cwt., 1s. 9½d.; less than 10-cwt., 1s. 10½d. per lb., in original packages, duty paid, ex wharf, London. English-manufactured material is quoted at from £120 per ton. A brisk demand has been received.

MAGNESIUM TRISILICATE (B.P.).—Prices (per lb.) in the home trade are unchanged. Containers in brackets. 28 lb. to 1 cwt., 4s. 4d. (1-lb.); 4s. 3d. (2-lb.); 4s. 2½d. (4-lb.); 4s. 1½d. (7-lb.); 4s. 1d. (14 lb.); 4s. (28-lb.) per lb. Larger quantities range from 3s. 2d. to 3s. 4d. per lb. in 28-lb. packages, carriage paid.

MANDELIC ACID.—Steady. Current prices are: 1 lb., 22s. per lb.; 4 lb., 20s. 3d.; 7 lb., 18s. 6d.; 14 lb., 16s. 9d.; 28 lb., 15s.

METOL.—Steady. Prices per lb. are: 10 cwt., 19s.; 5 cwt., 19s. 6d.; 1-cwt., 20s.; 28-lb., 21s.; 14-lb., 23s.; 7-lb., 24s. Carriage paid in the United Kingdom.

MERCURY SALTS.—Increased prices have been announced with effect from March 16. New rates are as follows: AMMONIUM CHLORIDE, B.P., powder, from 8s. 2d. (1-cwt. lots) to 8s. 10d. (7-lb.) per lb.; lump, 8s. to 8s. 8d. BICHLORIDE, B.P., powder, 6s. 9d. to 7s. 5d. per lb.; lump, 7s. 3d. to 7s. 11d. CALOMEL, B.P., 8s. 2d. to 8s. 10d. per lb. RED OXIDE, B.P.C., and YELLOW OXIDE, B.P., from 8s. 8d. to 9s. 4d. per lb.

NICOTINIC ACID.—Quotations are about 40s. to 42s. per lb., as to quantity.

PANCREATIN.—Price of B.P. material is from 13s. 6d. to 16s. 6d. per lb., according to quantity.

PEPTONE. — Importers' quotations are from 13s. to 15s. per lb., as to quantity.

PHELLANDRENE.—Refined is quoted at 1s. 5d. per lb. in carboys, and from 1s. 6½d. to 2s. 1d. per lb. in winchesters.

PHENOBARBITONE. — In good request. Home-trade prices are unchanged at from 35s. per lb. upwards, according to quantity.

PIPERAZINE. — Current prices from 4s. 6d. to 4s. 9d. per oz., as to quantity.

PROCAINE HYDROCHLORIDE.—Prices range from 50s. to 53s. per lb., as to quantity.

PYROGALLIC ACID. — Quotations for CRYSTALS are: 1 cwt., 18s. 6d. per lb.; 56 lb., 19s.; 28 lb., 20s. RESUBLIMED is 22s. 3d. per lb. in 1-cwt. lots; 56-lb., 22s. 9d.; other quantities in proportion.

ROCHELLE SALT.—Rates per cwt. for powder or granular salt are: 5 cwt., 130s.; 1 cwt., 132s. 6d. Crystal is 2s. 6d. per cwt. more than the foregoing prices. SEIDLITZ POWDER, ordinary, is now 103s. 9d. per cwt.; extra strong, 111s. 6d.; double strength, 116s.

SODIUM ALGINATE.—Current rates per lb. are as follows: 7-lb. lots, 7s. 3d.; 28-lb., 7s.; 1-cwt., 6s. 6d.

k-STROPHANTHIN. — Makers' quotations are unchanged at about 25s. per gm.

TERPINEOL.—Prices for B.P. grade are from 2s. 9d. to 3s. per lb.

VANILLIN.—Current rates are: 5 cwt., 22s. per lb.; 1 cwt., 22s. 3d.; 56 lb., 22s. 6d.; smaller quantities, 22s. 9d. per lb. Supplies from maker are on quota.

Crude Drugs

ACONITE.—Steady. Indian, on the spot, is quoted at 275s. per cwt.; *napellus*, offered at 3s. 10½d. to 4s. 3d., duty paid.

AGAR.—Kobé strip on spot is in good request at 15s. 6d. to 16s. per lb.; Yokohama strip is quoted at from 14s. per lb., duty paid. South African powder, in tins in cases, quoted at 20s. per lb., spot.

ALOES.—Prime Cape on spot is offered at 105s. per cwt.; shipment, 98s. per cwt., c.i.f. Curaçao is offered at from 185s. to 200s. per cwt., as to quality. Socotrine, 160s. to 180s. per cwt., spot.

ANTIMONY.—Metal prices are: 99.6 per cent. regulus, £210 per ton, delivered; 99 per cent., £200; 70 per cent., crude, £165.

ARECA NUTS.—Supplies of Ceylon on spot are offered at about 57s. 6d. per cwt.

ASAFETIDA.—Persian block on spot is steady at prices from £14 10s. to £24 per cwt., according to grade.

BALSAMS.—*Canada* is quoted at 20s. 6d. per lb., on spot. Pará *Copaiba* (soluble), 4s. 9 l. per lb., spot. San Salvador, *Peru*, 4s. 9d. per lb., duty paid. *Tolu* on the spot is offered at 11s. per lb.; to come forward, 10s.; shipment, 9s. 6d., c.i.f.

BELLADONNA.—Jugo-Slav root is quoted at from 4s. per lb., duty paid, as to test; shipment, 3s., c.i.f. English leaves are offering at 4s. 9d. (0.546 per cent.) per lb.

BENZOIN.—Sumatra block on the spot is offering at £15 10s. to £16 per cwt., as to quality; Sumatra almonds are quoted at £45 per cwt.

BISMUTH.—Metal is quoted at 10s. 6d. per lb., net, in minimum lots of 5 cwt.

BUCHU.—New crop short rounds for shipment offered at 3s. 8d. to 3s. 9d. per lb., c.i.f.; spot value, 4s. per lb.

CALABAR BEANS.—Steady. Spot quotations are from 10½d. to 11d. per lb.

CALUMBA.—Natural root is available on the spot at 77s. 6d. per lb.

CASCARA SAGRADA.—Spot quotations are from 170s. to 185s. per cwt., duty paid, as to year of crop.

CHILLIES.—Mombasa, on spot, quoted at 125s. per cwt. Zanzibar is offered at 135s. and Japanese-type at 160s. per cwt., spot.

CLOVES. — Zanzibar, spot, quoted at 1s. 1d. per lb.; March-April shipment, 1s. 1d., c.i.f. Madagascar, spot, in bond, 11d.; shipment, 10½d., c.i.f. Penang, spot, 3s. per lb.

COPAL.—Prices per ton net, ex store, are: L.W.S., £158; soft mixed, £138; Loba C.N.E., £120; Loba mixed, £159; chips, £125.

DIGITALIS.—English leaves are quoted at from 2s. 3d. per lb.; powder, B.P., is offered at about 5s. 9d. per lb.

ERGOT.—Continues firm on spot. Portuguese is offered at 5s. 9d., with little available; shipment, 5s. 9d. per lb., c.i.f.

FRANGULA.—Supplies of bark on spot a offered at from 110s. to 112s. per cwt.

GALANGAL.—Supplies in bond are offe ing at 97s. 6d. per cwt.

GALLS.—Steady. Persian blues quot on spot at 260s. per cwt.

GAMBOGE.—Siam pipe on the spot offered at £50 per cwt., duty paid.

GENTIAN.—French natural on the sp is offered at 60s. per cwt.; sliced root, 75

GINGER.—No shipment offers of Africa from origin and spot supplies are at minimum. Jamaican No. 1 is offered 145s. per cwt.; No. 2, 140s.; and No. 135s., spot.

GUAIACUM RESIN.—Steady. Prices a from 2s. 4½d. to 2s. 6d. per lb., spot.

GUM ACACIA.—Kordofan cleaned sorts, o the spot, quoted at 60s. per cwt.; shipmen 56s., c.i.f. Bleached No. 1, 117s. 6d., spot shipment, 90s., c.i.f. Talha, on spot, 44 per cwt.; forward, 38s., c.i.f.

IPECACUANHA.—Nicaraguan on the sp is offered at 23s. per lb.; April-May shi ment, 20s., c.i.f. Colombian, 21s. per lb spot.

JALAP.—Vera Cruz, spot, 2s. 6d. to 3 per lb. as to test (10 to 15 per cent. resin Brazilian (13 per cent.), 1s. 6d.

KAMALA.—Quoted at 2s. 3d. per lb., spo

MENTHOL.—Firm. Brazil on the spot offering at from 42s. 6d. to 43s. 6 l. per lb duty paid. Recent offers from origin April-May shipment have been at 39s. p lb., c.i.f., but it is reported that no offe are now being made.

PODOPHYLLUM. — American (*peltatum* spot London, 290s. per cwt. Indian (*cmod* is offered at from 305s., spot; forwar 270s. per cwt., c.i.f.

RHUBARB.—Chinese rough-round, fou fifths pinky fracture, is worth 4s. 9d. to 5 per lb., duty paid, on the spot; second grade sound root is offered at aroun 3s. 6d. per lb., duty paid; wormy materi is offered at 2s. 6d. per lb., duty paid.

SEEDS.—Cyprus ANISE is 1s. 4½d. p lb., and Turkish, 1s. 4d. per lb., duty pai spot London. CARAWAY.—Dutch, no quoted at 120s. per cwt., duty paid, sp London. CELERY.—Indian is in poo demand at 1s. per lb., spot London Liverpool. CORIANDER.—Market continu quiet, Morrocco on spot is 35s. per cwt duty paid; Argentine is quoted at 30s. p cwt., duty paid, spot London or Liverpoo CUMIN.—Market easier, Cyprus on spot quoted at 177s. 6d. per cwt.; Indian 170s. per cwt., spot London or Liverpoo DILL.—Indian remains firm at 47s. 6d. p cwt., spot London or Liverpool. FENNEL.— Indian is quiet at 67s. 6d. per cwt., sp London or Liverpool. FENUGREEK.—India is offered at 54s. per cwt., spot London Liverpool; and Morocco, 53s. 6d. per cwt duty paid in London.

TONKA BEANS.—Spot quotations are at 5s. 9d. to 6s. per lb. for Pará blacks.

VALERIAN.—Belgian natural is offered at 130s. per cwt., spot; cut root, 165s.

WAXES.—Market quiet. Dar-es-Salaam Bees' on spot is offered at 330s. per cwt.; shipment, 315s., c.i.f.; Benguela, in bond, 310s.; shipment, 290s., c.i.f. CANDELILLA.—Spot offers are at 407s. 6d. per cwt.: March delivery, 390s. CARNAUBA.—Prime yellow is now 660s. per cwt., spot; shipment, 580s. c.i.f. Fatty grey, spot, 450s. per cwt.; shipment, 395s., c.i.f., buyer's licence. Chalky grey, spot, 435s. per cwt.; shipment, 370s., c.i.f. MONTAN.—Reibeck, spot, 245s. per cwt.; 225s., March delivery. Czechoslovak crude, spot, 230s. per cwt.; March delivery, 210s. OURICURI.—1 per cent., 410s. per cwt., c.i.f.; 2.8 per cent., 440s., spot; shipment, 400s., c.i.f., 6 per cent., 420s., spot and forward, 390s., c.i.f. 9 per cent., 405s. per cwt., spot. SPERMACETI.—Spot offers are at 2s. 8d. per lb.

THE Board of Trade Sundry Materials Branch, Old Jewry, London, E.C.2, invites offers for fifty-eight tons DERRIS and BARBASCO ROOT for immediate delivery ex London store, with a reputed rotenone content of 2.9 per cent.

Essential and Expressed Oils

ALMOND.—Sweet oil, English-expressed, is offered at around 4s. 6d. per lb.; imported oil in bulk is available at from 28s. to 30s. per gall. Bitter essential oil on the spot is offered at from 27s. 6d. to 60s. per lb., as to grade.

ANISE.—There are fair stocks of Chinese star on the spot and prices range from 4s. 8d. to 5s. per lb., for oil in drums; in tins in cases, 5s. 3d. per lb. upwards; at origin drums are quoted at 4s. 7½d., c.i.f.

CAMPHOR.—White oil on spot is quoted at from 2s. 2d. per lb., duty paid; brown, shipment, 2s. 6d., c.i.f.

CASTOR.—Basic price for B.P. quality is now £148 per ton, naked, ex works.

CITRONELLA. — Ceylon is offering at from 3s. 9d. to 4s. per lb., spot; forward, 3s. 8d., c.i.f. Java continues firm at 9s. 3d. per lb., spot; shipment from origin, 7s. 9d. per lb., c.i.f., quoted; from Holland, 8s., c.i.f.

GERANIUM.—Bourbon on spot is nominal at 55s. per lb.; African is offered at about 60s. per lb., spot.

JUNIPER BERRY.—Steady. English-distilled oil is quoted at from 70s. to 75s. per lb.; imported oil is offered at 25s. to 30s. per lb., according to seller.

LAVENDER.—French, 38-40 per cent., on spot, is quoted at from 16s. to 17s. per lb.; 40-42 per cent., 17s. to 18s. Spanish spike is offering at 7s. 6d. per lb., spot.

LEMONGRASS.—Spot quotations are at about 7s. 3d. per lb.; 7s. 1d., c.i.f.

OLIVE.—Prices are unchanged. Supplies of oil from members of the Importers' Association are made at the rate of 26s. 2d. per gall. of 9 lb., ex store, drums included. Additional charges are added for small quantities, according to costs of breaking bulk, containers, delivery, etc.

PINE.—*Pumilionis* is quoted at about 17s. to 18s. per lb., spot; *sylvestris* is quoted at from 9s. 6d. to 13s.

PINE NEEDLE.—Quiet. Supplies on spot are offered at 18s. to 20s. per lb., for first-grade.

ROSEMARY.—Spanish is offered at 6s. 6d. to 8s. per lb., as to quantity and quality.

SASSAFRAS.—Brazil on spot is quoted at from 4s. 9d. to 5s. per lb.

SANDALWOOD. — Mysore oil on spot is offered at prices from 66s. to 67s. 6d. per lb.; English-distilled, about 75s. per lb.

PRICES of unrefined CASTOR OIL and unrefined LINSEED OIL allocated, during the four-week period ending April 2, have been reduced, and are as follows:—Linseed oil, £170; linseed oil foots, £120; castor oil, firsts, £142, and seconds, £135, all per ton, naked, ex works. The price of SPERM OIL has been reduced from £102 to £60 per ton as from March 6.

Synthetics and Isolates

QUOTATIONS are per lb. and vary according to grade, quantity and seller.

GERANIOL.—Ex Ceylon, 17s. 6d. to 20s.; ex Java, 20s. to 22s. 6d.; ex Palmarosa, 75s. GERANYL ACETATE.—Ex Java, 20s. to 22s. 6d.

HELIOTROPINE.—15s. 6d. to 18s. 6d. HYDROXYCITRONELLAL.—Perfumers', 52s. 6d. to 55s.; for soaps, 47s. 6d. to 52s. 6d. INDOLE (per oz.).—10s. to 15s.—IONONE.—100 per cent., 32s. 6d. to 34s. ISOBUTYL ACETATE.—2s. 6d. to 3s. 6d. ISOBUTYL BENZOATE.—6s. 3d. to 7s. 6d. ISOBUTYL SALICYLATE.—5s. to 6s. 6d. ISOEUGENOL.—17s. 6d. to 19s. 6d. LINALOL.—33s. 6d. to 38s. LINALYL ACETATE.—35s. 6d. to 38s.

METHYL ACETOPHENONE.— 12s. to 14s. METHYL ANTHRANILATE.—14s. to 15s. METHYL BENZOATE.—5s. 3d. to 7s. 6d. METHYL CINNAMATE.—11s. 6d. to 12s. 6d. METHYL HEPTIN CARBONATE.—285s. METHYL PHENYLACETATE.—6s. 6d. to 7s. 9d. METHYL PHENYL CARBINYL ACETATE.—11s. 6d. to 12s. 6d. METHYL IONONE.—37s. 6d. to 40s. MUSK AMBRETTE.—55s. MUSK KETONE.—50s. MUSK XYLOL.—7s. 6d. to 9s. 6d. MUSTARD OIL (artificial).—16s. 6d. to 18s. 6d.

NEROLIN BROMELIA.—13s. 6d. to 17s. 6d. NEROLIN YARA YARA.—9s. 6d. to 10s. 6d. PARACRESYL ACETATE.—8s. 6d. to 9s. 6d. PARACRESYL PHENYLACETATE.—9s. to 10s. 6d. PHENYLACETALDEHYDE.—60s. to 70s. PHENYLACETIC ACID.—5s. 6d. to 6s. 6d. PHENYLETHYL ALCOHOL.—21s. 6d. to 23s. 6d. PHENYLPROPYL ALCOHOL.—25s.

RHODINOL.—122s. 6d. to 125s. SAFROLE.—B.P.C., 10s. 6d. SANTALOL.—100s. to 120s. STYROLYLENE ACETATE.—15s. TERPINEOL.—Perfumers', 2s. 9d. to 3s. TERPINYL ACETATE.—5s. 9d. to 7s. 6d. VETIVEROL.—180s. VETIVERYL ACETATE.—210s.

COMING EVENTS

Sunday, March 20

CORNWALL PHARMACEUTICAL COMMITTEE and CORNISH BRANCH, NATIONAL PHARMACEUTICAL UNION, St. John Ambulance Hall, Truro, at 2.30 p.m. Address by Mr. H. Noble (deputy secretary, N.P.U.).

Tuesday, March 22

DUNDEE AND EAST AND CENTRAL SCOTTISH BRANCH, PHARMACEUTICAL SOCIETY, Royal Hotel, Union Street, Dundee, at 7.30 p.m. Mr. Thomas Reid (a member of Council), on "A Scottish Pharmacist's Impressions of English Pharmacy."

REIGATE AND REDHILL PHARMACISTS' ASSOCIATION, Castle Hotel, Reigate, at 7.30 p.m. Film show, including "Take Thou," "The Story of DDT," and "Surgery in Chest Diseases."

INSTITUTE OF OPTICAL SCIENCE, Royal Society of Arts, John Adam Street, London, W.C.2, at 7.30 p.m. Dr. Geoffrey Ebbage on "Heredity."

Wednesday, March 23

ABERDEEN AND NORTH-EASTERN SCOTTISH BRANCH, PHARMACEUTICAL SOCIETY, Caledonian Hotel, Aberdeen, at 3.15 p.m. Annual meeting. Mr. Thomas Reid (a member of Council) on "A Scottish Pharmacist's Impressions of English Pharmacy."

BATH BRANCH, PHARMACEUTICAL SOCIETY, Red House, New Bond Street, Bath, 7.30 for 8 p.m. Dinner (members of adjacent branches invited). Tickets (10s. 6d. each) from Mr. T. Swain, 126 Wellsway, Bath. Dress informal.

EAST MIDLANDS BRANCH, GUILD OF PUBLIC PHARMACISTS, Royal Infirmary, Leicester, at 7.15 p.m. Mr. P. Jones, M.P.S., on "Anæmias and their Treatment."

GLASGOW AND SOUTH-WESTERN SCOTTISH BRANCH, PHARMACEUTICAL SOCIETY, Institute of Actuaries and Accountants, 229 St. Vincent Street, Glasgow, at 7.30 p.m. Mr. D. H. O. Gemmell, Ph.C., on "A Review of the British Pharmacopœia, 1948."

NORTH STAFFORDSHIRE BRANCH, PHARMACEUTICAL SOCIETY, Midlands Electricity Board's Lecture Theatre, Black Glebb Street, Stoke-on-Trent, at 7 p.m. Film show, presented by Mr. C. Vote, including "The Five Towns."

SHEFFIELD BRANCH, PHARMACEUTICAL SOCIETY, Lecture Room, Nether Chapel, Norfolk Street, Sheffield, at 7.45 p.m. Film show, including "Take Thou."

SOUTH-EAST LONDON CHEMISTS' ASSOCIATION, Pyne's Restaurant, 153 Lewisham Way, London, S.E.14 (nearest stations, New Cross, New Cross Gate or St. John's), 7 for 7.15 p.m. Annual dinner and dance. Tickets (21s. each) from Mr. J. M. Beal, 30 Belmont Hall Court, Belmont Grove, Lewisham, London, S.E.13.

Thursday, March 24

NATIONAL ASSOCIATION OF WOMEN PHARMACISTS, 17 Bloomsbury Square, London, W.C.1, at 7 p.m. Members' night.

THAMES VALLEY PHARMACISTS' ASSOCIATION, Kingston Hotel, Kingston-on-Thames, at 7.45 p.m. Mr. G. J. Ryland, M.P.S., on "New Zealand and Pharmacy."

SCOTTISH CHEMISTS' GOLF ASSOCIATION is holding its twenty-eighth annual competition for the Scottish Chemists' Golf Trophy at Gleneagles on Wednesday, May 18. Entry forms from Mr. W. J. T. K. Boyd, 4 Elcho Road, Longniddry, East Lothian.

TRADE MARKS

(From the "Trade Marks Journal," March 2

"COPPESOL"; by Boots Pure Drug Co., Ltd Nottingham; 655,927. For agricultural a horticultural chemicals (1).

"DURALBA"; by B. Laporte, Ltd., Luton; 664,07 For all goods (1).

"EMOCITHINE"; by W. A. Scholten's Chemisc Fabrieken N.V., Groningen; 665,368. F emulsifying agents (1).

"SAVON DE L'ABEILLE" and device of bee; "Court de Payen & Falque," Marseill 662,495. For soap (3).

"AMBER SOLAIRE"; by Eugene Schueller, Pari B664,328. "PARAMI"; by Colgate-Palmoliv Peet, Ltd., London, S.W.1; 664,984. "WI HEART"; by Edward Ross, Morden; 668,64 "BINT EL SUDAN"; by W. J. Bush & Co Ltd., London, E.8; 667,102. For non-medicat toilet preparations (3).

"BA-BA"; by Prideaux Milk Foods, Ltd., Eve creech; B667,890. For non-medicated toil powders for infants (3).

"ADULATION"; by Crome & Mitchell, Ltd., Lo don, E.14; 669,454. For perfumes, essenti oils and cosmetic preparations (other than toil preparations) (3).

"ESPRIT DE VALMAR" in distinctive lettering; Aktieselskabet M. Aarsleff & Co., Copenhage 669,467. For perfumes (3).

"BEOMALT"; by Galactina & Biomalz A.G., Bel 651,291. "KINETONE", "HERACLIN" a "BETONIN"; by Boots Pure Drug Co., Ltd Nottingham; 656,033-35. "PARTERGINE"; Sandoz, Ltd., Basle; B656,273. "SALUBRIA by Garlic Deodorised Antiseptics, Ltd., Fai light; B666,069. "SABALIN"; by H. R. Nap Ltd., London, W.C.2; 669,010. "TUSSIDULT by Albert Harold Williams, Neath; 669,97 "RIDDUDRENE"; by Riddell Products, Ltd London, W.1; 670,199. For pharmaceutic preparations (5).

"PENTOX"; by Boots Pure Drug Co., Ltd., No tingham; B655,928. For fungicides (5).

"SANTOPHEN"; by Monsanto Chemical Co., S Louis; 659,769. For weed killing preparatio (5).

"MILO" and device of man carrying ox; Nestlé's Milk Products, Ltd., London, E.C. 665,682-83. For dietetic, infants' and invalid foods and medicated tonic foods and beverag (5).

"BRANDOSS"; by Brand & Co., Ltd., Londo S.W.8; 670,109. For pharmaceutical prepar tions, infants', invalids' and dietetic foods (5

"GAMATIK"; by Cooper, McDougall & Robertso Ltd., Berkhamsted; 667,894. For veterina preparations (5).

"CURDAVOL" and "DACUROL"; by Imperi Chemical (Pharmaceuticals), Ltd., Slough 668,575-76. "ON DUTY"; by James Franc Latimer Ivey, Feltham: 668,638. "PLYNINE by the Plynine Co., Ltd., Edinburgh; 670,03 "LEWDRIN"; by Lewis Laboratories, Ltd Leeds; 670,114. For all goods (5).

"ORDOLINE"; by The British Drug Houses, Ltd London, N.1; 669,006. For all goods, exclu ing infants' and invalids' foods (5).

"Dost thou rise at seven in the morning, dost thou bend thy mind attentively to business, dost thou cheerfully ask leave for every absence and give a faithful account of thy time?"

At one time or another most of us receive advice from our parents, and Luke Howard founder of the firm of Howards was no exception.

"I am nevertheless in some care to know whether my recommendations or rather my injunctions are put into practice" Luke's father wrote while the boy was serving his apprenticeship to a pharmaceutical chemist in Stockport. He need have had no fear! Particular care about the fine chemicals they make, and their manner of selling them, was a strong and distinguishing characteristic in Howards in 1797. It is so, still, today.

HOWARDS

HOWARDS OF ILFORD

HOWARDS & SONS LTD., ILFORD, NEAR LONDON

Telephone: Ilford 3333 • Telegrams: Quinology Ilford

The
SPECIFIC AGENT
against
GRAM-NEGATIVE ORGANISMS

PHENOXETOL
P.E.G.
NIPA

This important bactericide and antiseptic is a colourless viscous liquid with a faint pleasant odour, for use in medical treatment and for pharmaceutical preparations. Phenoxetol is especially effective against certain gram-negative organisms, including Ps. pyocyanea. It is used by local application—by wet dressing, instillation or irrigation—in the treatment of infected wounds, abscesses, indolent ulcers, associated with Ps. pyocyanea. It should not be used for parenteral injection.

Phenoxetol is very effective in pyocyanea infections of burns or superficial wounds. It is especially useful for skin grafting, in dermatitis associated with Ps. pyocyanea, and for the sterilization of tuberculosis cavities infected with Ps. pyocyanea.

In addition to its anti-pyocyanea activity, Phenoxetol is an excellent preservative for penicillin creams and other pharmaceutical and medicinal preparations. Not only does it protect the creams from deterioration caused by various organisms such as mould and fungi, but it also prevents the inactivation of penicillin itself by inhibiting the growth of B. coli and other penicillinase producing organisms.

The following formula is successfully applied for Penicillin Cream:—

Lanette wax SX	—	**3.5 g.**
Liquid Paraffin	—	**15 ml.**
Penicillin Solution	—	**5 ml.**
Phenoxetol	—	**2 ml.**
Aqua redest....	....	**ad. 100 ml.**

also

Para-Chloro-Phenoxetol, the antifungous compound specifically active in ointments, powders and solutions against infections by Trichophyton-Epidermophyton - Microsporum and Monilia organisms.

NIPA LABORATORIES LIMITED
TREFOREST TRADING ESTATE near CARDIFF
TEL · TAFFS WELL 128

Sole Distributors for the United Kingdom
P. SAMUELSON & CO.
Africa House, 44-6 Leadenhall St., London, E.C.
Telephone: ROYAL 2117-8

Fine Quality
ESSENTIAL OILS

EUCALYPTUS OIL B.P.

Brazilian
MENTHOL CRYSTALS

China Star
OIL OF ANISEED

Samples and details on request
A. G. HERSOM
142a CANBURY PARK ROAD,
KINGSTON-UPON-THAMES
Tel.: Kingston 8911 *Grams.: Hersom, Phone, London*

LENNONS
The Leading Chemists in
South Africa
and ***Rhodesia***

—o—

Established in all important centres for many years.
Wholesale and Retail Chemists & Druggists.
Modernly equipped for Manufacturing and Marketing.

★ *If you are seeking reputable Representatives or desire information, write to:—*

LENNON LIMITED
Head Office: **P.O. BOX 8389**
JOHANNESBURG, SOUTH AFRICA.

or London Agents:—
CAMPBELL BROS., CARTER & CO., LTD.
("L" Dept.), Stafford House, (4th Floor)
14/20 King William Street, London, E.C.4
Telephone: MANsion House 0761

DEGA BRAND

Chemicals & Drugs

Adrenalin
Amidopyrine
Carbromal
Carmine
Chloral Hydrate
Cinchophen
Creosote ex Beechwood
Diastase
Digitoxin
Ichthammol
Pancreatin
Papain
Pepsin
Phenazone
Phenobarbitone
Sulphaguanidine
Sulphathiazole

Essential Oils

We are specially placed to offer the following high grade products

CINNAMON BARK B.P.
TERPENELESS OILS
LIME — ORANGE — LEMON
etc., etc.

Write for samples and prices

NOTE OUR NEW ADDRESS AND TELEPHONE NUMBER

CHAS. ZIMMERMANN & CO. LTD

DEGA WORKS

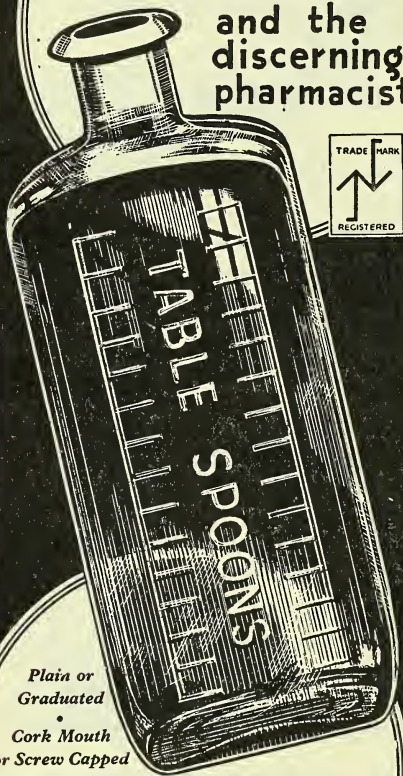
WALMGATE ROAD PERIVALE MIDDLESEX

Telephone: Perivale 9121 (four lines)

Telegrams: Acidolan Greenford Middx.

DEGA

The
BEATSON MEDICAL
and the discerning pharmacist



TRADE MARK
REGISTERED

Plain or Graduated
•
Cork Mouth or Screw Capped

Those who look for a quality bottle will find it in the Beatson Medical. No other bottle fits the hand so comfortably, and for easy pouring we have retained the specially shaped vial lip.

BEATSON, CLARK & CO. LTD
MANUFACTURERS OF CHEMICAL AND MEDICAL GLASS
ROTHERHAM *Established 1751* **YORKS**

RB BC. 63

"Eagle" Brand Chemicals
B.P.
PRECIPITATED
SULPHUR

PHOTOGRAPHIC
HYPO
AND
SULPHITE
— CRYSTALS and ANHYDROUS —

EPSOM SALTS
GLAUBER SALTS
ARSENIATE OF LEAD

Enquiries Invited
JOHN RILEY & SONS, LTD
Chemical Manufacturers
HAPTON near BURNLEY
Telegrams "Rileys Hapton" *Telephone* Padiham 290/1

SPECIALISTS
CARRAGEEN MOSS
ALL GRADES
INCLUDING POWDER
J. W. CUMMING & SON LTD. 5 Tithebarn St. Liverpool 2
Phone: Central 7688 *Grams:* "Carmoss," Liverpool

TRADE MARKS, BRANDS, DESIGNS
Registered in all Countries
Write for particulars
LIMITED COMPANIES REGISTERED
CATON & SON
Monument Station Buildings, London, E.C.4
Telephone: MANsion House 4443

Pure White
TIN OXIDE
(STANNIC)
Pure Powdered
TIN METAL
for medicinal purposes
Manufactured by:—
KEELING & WALKER, LTD
STOKE-ON-TRENT
Telephone: Stoke-on-Trent 4136/7

DESIGNED BY SPECIALISTS

ADELPHI AUTOFILLER

LET IT SOLVE YOUR BOTTLE FILLING PROBLEM

• Hand operated and gravity fed
• Simple construction
• Non corrodible
• Positive action
• Rapid filling
• Wide range of nozzles
• Container holds 4 gals.

Prompt delivery

Sole Makers also of The Adelphi Bottle Washer, Powder Blender and Ointment Mill

ADELPHI Manufacturing Co. Ltd.
(Dept. A4)
93a CITY ROAD, LONDON, E.C.1

GUMS
Acacia
Tragacanth
Karaya
Benzoin
Copal
Mastic
Damar

SHELLACS and WAXES
Japan Wax, White Bees Wax, Candelilla Wax, Carnauba Wax
In natural and powder form

Official Agents: ANGELO BROS. LTD SHELLACS

A. F. SUTER & CO., LTD.
15 Philpot Lane,
London E.C.3.
Phone: MANsion House 2274/5

Liquid Paraffin White Oils and Petroleum Jellies

Further information, samples and quotations on request to Dept. PA.1.

PUREMOR LTD
Distributors for
MANCHESTER OIL REFINERY LIMITED
M·O·R GROUP OF COMPANIES
Twining Road, Trafford Park
Manchester 17

BRITISH REFINED OILS

'WEBSTER'S'

STAINLESS STEELWARE

Specialists in modern equipment for manufacturers, i.e., Funnels, Buckets, Jugs, Mixing Containers, Measures, Percolators, Bogies, etc., etc.

Suppliers of Stainless Steel utensils, at prices which enable the user to employ them in place of other metals as an economical proposition.

The use of Stainless Steel equipment, designed on modern principles, enables overhead costs to be reduced and makes for more convenient and better working conditions.

ISAAC WEBSTER & SONS, LTD.

ABBEY WORKS, KIRKSTALL, LEEDS, 5

Phone 51580 Leeds. Grams: Isaac Webster, Kirkstall

SALICYLATES

All our products are made under strict laboratory control and under the direct supervision of technical experts. We are specially equipped to produce Salicylates of the finest quality

★

ASPIRIN B.P.
ASPIRIN TABLETS
SODIUM SALICYLATE B.P.
SALOL B.P.C.
SALICYLIC ACID B.P.
SALICYLIC ACID TECH.
ORTHO-CRESOTINIC ACID
SODIUM PHENATE
SODIUM ACETATE
PHENYL ACETATE, ETC.

We solicit your orders and enquiries for both B.P. and commercial qualities

In addition to maintaining a high standard of quality we have a reputation for attentive service and prompt delivery

GRAESSER SALICYLATES LIMITED

SANDYCROFT near CHESTER

Telephone: Hawarden 2125 Telegrams: "Quality, Chester"

Mandelle

MOULDED HOT WATER BOTTLES

FABRIC HAND-MADE WATER BOTTLES

HOSPITAL SHEETINGS

BATHING CAPS, ETC., ETC.

WHOLESALE ONLY

J. MANDLEBERG & CO. Ltd. SEAFORD RD., SALFORD, 6 LANCS.

℞ D+P x J+B =
speed + efficiency

A new prescription which, translated, means that Developing and Printing by Jones & Bailey with their "up-to-the-minute" equipment and fully experienced staff is assured of top-speed, efficiency, quality and punctuality.

GRAFTON FILMS

In the event of short supplies we can assist customers with limited quantities of these rolled films in '20' and '127' sizes. An entirely new product with a high standard of quality.

Enquiries to:

JONES & BAILEY LTD.

66/72, BREWERY ROAD LONDON, N.7

Glass Tubes By The Million

YOUR 1949 CONTRACT SHOULD SECURE THE BEST QUALITY, SERVICE AND PRICE

CONSULT THE SPECIALISTS

F. COPLEY & CO. Beeston, Notts.

Surgical & Manicure Specialists Ltd

SHEFFIELD 3: ENGLAND

★ *We manufacture all kinds of:-*

SCISSORS · TWEEZERS · FORCEPS · NAIL & MANICURE FILES

In Stainless Steel—Nickel Plated and Chromium over Nickel

Our order books are full for some time ahead, and immediate deliveries cannot be promised. We shall, however, welcome your enquiries for forward deliveries. *(WHOLESALE ONLY SUPPLIED)*

TAMPAX 40's

are back again!

*for both absorbency sizes **

Plus- **this new, special feature . . .**

neat handbag container included in every Tampax 40

The re-introduction of popular Tampax 40's is good news—both for you and for your customers. To you, Tampax 40's mean an all-at-once sale equal to 4 single packets. To your customer they mean welcome economy and convenience. Stock them side by side with the usual packets-of-ten.

There's a wide range of Tampax display units for every purpose. Send details of your requirements.

* *Regular*
TAMPAX No. 1

Super Absorbent
TAMPAX No. 2

TAMPAX LTD.,
Sales Office, 110 Jermyn Street, London, S.W.1

And now—

MATHAPLAST

PLASTIC WATERPROOF FIRST AID DRESSING

ADVERTISEMENTS in the leading daily papers are building strong goodwill for these new Mathaplast dressings. Specially prepared by the makers of Mathaplast Fabric Elastic Dressings, they fill a definite demand for a washable dressing which is proof against oil and grease whilst fitting snugly and toning with the skin.

By the makers of Mathaplast Fabric Elastic Dressings

WM. MATHER LTD. Manchester 15

IN.583

QUALITY & QUANTITY

Rolls 1/2 Packets 1/1

Satino

TOILET PAPERS

KWICKDRY PAPER TOWELS
In perforated rolls for Domestic use.

B.I.F. Stand M.36 Olympia May 2-13

The Paper Specialists :

FREEDER BROTHERS PAPER MILLS
BRIMSDOWN, ENFIELD, MIDDLESEX

LI-LO REGD. TRADE MARK

WHIRLING SPRAY

Latest design with soft rubber stem. Supplied, if required, n attractive box complete with descriptive booklet. This Whirling Spray is made in surgical red only

The Importance of Feminine Daintiness

Now available from your usual Wholesaler or direct from:

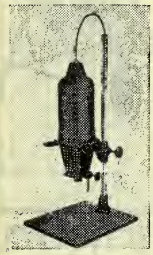
P. B. COW & CO., LTD.
12 HAY HILL
BERKELEY SQUARE
LONDON W1
Telephone: REGent 7401

GNOME

The New

"DELTA"

9 x 12cm. and ¼-pl. Enlarger.



SPECIFICATION

Main components of aluminium casting, sheet steel lamp house, aluminium spinning lamphouse top and condenser seat with stiffening ribs. Bellows extension 9in. Purchasers' own lens may be fitted. Suitable lenses are of 5in.-6in. focal length from such cameras as Thornton Pickard, Sanderson, etc. A plain lens panel is provided for this purpose. Fine focusing is by friction drive.

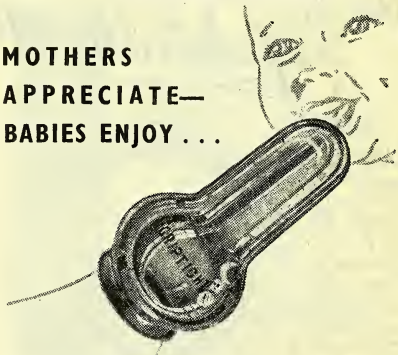
RETAIL PRICES

	Price	P. Tax	Total
"Delta" Model Enlarger, diffused light with lens panel - -	£12.10.0	£5.8.6	£17.18.6
Double Optical Condensers, 6in. dia. -	£4.17.6	£2.2.3	£6.19.9
5-3in. f/4.5 Dallmeyer lens - - - - - -	£7. 3.0	£3.2.0	£10. 5.0

Ask your dealer for illustrated catalogue or write direct to manufacturers as under :—

GNOME PHOTOGRAPHIC PRODUCTS LTD.
354 CAERPHILLY ROAD · CARDIFF

MOTHERS APPRECIATE—
BABIES ENJOY . . .



Grip-tight

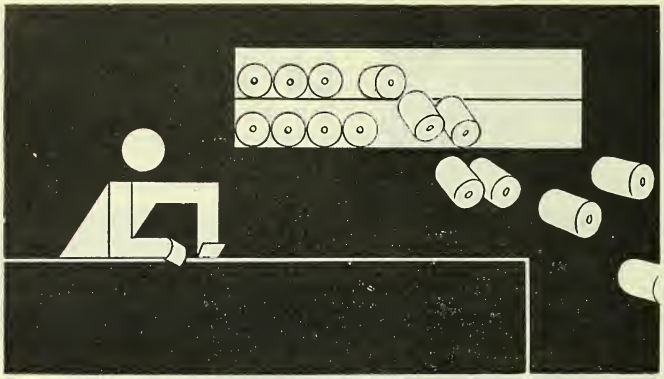
FEEDTEATS

Take advantage of this steady, increasing demand.

Used by Clinics, Public Health and Welfare Authorities.

Trade enquiries to :

LEWIS WOOLF LTD.
144 Oakfield Rd, Selly Oak, Birm'gh'm 29
3 YEARS, STORE LIFE



No doubt about it! Spicers AI MEDICATED TOILET ROLL practically sells itself. And why not? A first-rate tissue, soft, hygienic, in a really big roll for only one and three. That's the public's idea of good value. See your wholesaler about supplies.

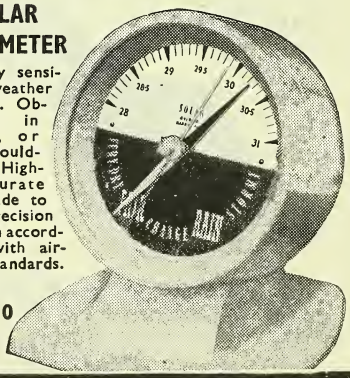
SPICERS AI MEDICATED TOILET ROLL

Spicers Limited, 164-194 Union Street, London, S.E.1. Telephone: Waterloo 587

The New **Rototherm**

SOLAR BAROMETER

Instantly sensitive to weather changes. Obtainable in ivory, or black moulded case Highly accurate and made to finest precision limits in accordance with aircraft standards.



PRICE £3-3-0

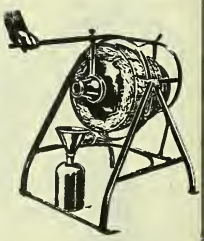
Rototherm

THE BRITISH ROTOTHERM CO. LTD., MERTON ABBEY LONDON, S.W.19, and at 87 St. Vincent St., Glasgow, C.2

CARBOY STAND AND TILTER

For drawing off small quantities of Acids from Carboys.

The Carboy can be tipped to any position with one hand.



LEIGH & SONS METAL WORKS Orlando St., BOLTON

DYANESE

FADELESS DYES

2½d. STOCKING (except Black) 20/- gross
4d. CURTAIN & COLD WATER 32/- gross
(including Black Stocking) Order Dyes and Shade Cards from our Agents
Gt. Britain: W. B. Cartwright Ltd., Rawdon, Leeds
N. Ireland: T. McMullan & Co., Ltd., 42 Victoria St., Belfast. *Eire:* May Roberts (Ireland) Ltd., Grand Canal Quay, Dublin, C.6.

del SC
Pint or
lf Litre

KEEPS HOTTER – KEEPS COOLER

in a VACCO

The Superior Vacuum Flask with the Quality Finish

★ Modern design, strongly made, with a quality finish.

★ Fitted with a tested refill of *extra high thermal efficiency.* Hot or cold liquids retain their temperature for unusually long periods.

★ Canister made of stout gauge steel, tinned to resist corrosion. Finished in durable enamel in a range of attractive colours. The shoulder is made of highly polished aluminium.

★ Large plastic cup of pleasing shape supplied in pastel colours.

★ Close grained cork with composition top.

MADE IN ENGLAND

Direct Retail and Export Enquiries to:

VACCO SALES LTD. 55 PALL MALL, LONDON, S.W.1

Make every shave..
a TOTAL

E219

PRICE INCLUDING TAX **5 for 1/4d.**

Obtainable only from Retailers

THE
"MATER"
CLINICAL REGD.
The position of the Mercury column is at once perfectly plain. Red markings show ex.

ALL TYPES OF CLINICAL AND OTHER THERMOMETERS

PERKEN, SON & CO. LTD.
(ESTABLISHED 1852)
8 HATTON GARDEN
LONDON, E.C.1
Telephone: 0724 Holborn
Telegrams:
"Optimus, Smith, London"

Wholesale Agents for Clinical Thermometers:
FASSETT & JOHNSON, LTD.
86 Clerkenwell Rd. London, E.C.1

A SEAGULL PRODUCT

A SURE REPEAT LINE!

Cumbella PAPER HANDKERCHIEFS

NEW TEAR OFF HANKIE PADS!

IT WIL
PAY *you* T

HANDLE THESE HANDKERCHIEF

Here's a fine new line in branded tissues. N in their softness, tear-resistance, absorb qualities. Women will come back again 'CUMBELLA'—the super-soft big-value tis in the tear-off pad . . . ***and advertising in leading Women's Magazines will help sell it!*** Send now for samples and terms to :

CUMBERLAND PAPER CO. LTD., Cleator Mills, Cleator, Cur

Registered Retail Selling Prices : Medium Size 1/- ; Large Size 1

THE NEW PREPARATION

which you may be contemplating will need a label which will inspire confidence and help to establish a good and increasing sale. We shall be pleased to hear from you.

JAMES TOWNSEND & SONS, Ltd. • *Label Printers* • EXETER

"NORVEX" (REGD.) SANITARY TOWELS

ALL WOOL, WITH LOOPS—SIZES 0 to 4

A SUPER TOWEL

SOLD BY CHEMISTS ONLY.

Phone: 20954

CROSSKILLS OF NORWICH

Whiffens Alkaloids and Fine Chemicals

ATROPINE
BROMOFORM
CAMPHOR
CAFFEINE
DYE-LINE CHEMICALS
EMETINE
NICOTINIC ACID
PRUNELLA
SALICIN
STRYCHNINE
THEOBROMINE
CLOVE OIL
ALMOND OIL
EXT. IPECAC. LIQ.
THEOPHYLLINE

Drug Grinding

WHIFFENS

Manufacturers of Fine Chemicals for nearly a century

WHIFFEN & SONS LTD (British Chemicals & Biologicals Ltd)
Fulham · London · SW6 · *Tel:* Renown 3416 · *Grams:* Whiffen London

The CHEMIST AND DRUGGIST
MARCH 19, 1949

The height of Excellence !

B.I.F.

CARNEGIES of WELWYN
extend a cordial
WELCOME
to all visitors interested in
FINE PHARMACEUTICAL
CHEMICALS
at their Stand B.56
OLYMPIA
British Industries Fair
LONDON, MAY 2—13, 1949

ADRENALINE
ALOIN
ALUMINIUM
HYDROXIDE Colloidal
AMINOPHYLLINE
ATROPINE and SALTS
BARBITONE SOLUBLE
BISMUTH SALTS
BROMISOVALERYLUREA
CAFFEINE SALTS
CALCIFEROL
CHLORAL HYDRATE
CHOLESTEROL pure
and semi-refined
CHRYSAROBIN
CITRATES
CYCLOBARBITONE
EPHEDRINE and SALTS
ESERINE and SALTS
HEXOBARBITONE
IODIDES
LITHIUM SALTS
PHENAZONE CAFFEINE
CITRATE
PHENAZONE
SALICYLATE
PODOPHYLLIN RESIN
SALICYLATES
SANTONIN
STILBOESTROL
STRYCHNINE and SALTS
SULPHAGUANIDINE
THEOBROMINE and SALTS
THEOPHYLLINE SALTS
ETC., ETC.

QUININE and SALTS
TOTAQUINE

CARNEGIE CHEMICALS (WELWYN) LTD
ASSOCIATED WITH
CARNEGIE QUININE WORKS, LTD
WELWYN GARDEN CITY
HERTFORDSHIRE, ENGLAND

TELEGRAMS:
CARNECHEM,
WELWYN GARDEN

TELEPHONE:
WELWYN GARDEN
506 (4 LINES)

" Carnegies of Welwyn " have no other address